

19981210.qrp v01_n301.qrs.981210

Date: Thu, 10 Dec 1998 19:10:54 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1301

QRP-L Digest 1301

Topics covered in this issue include:

- 1) [26951] Re: Norcal Meeting Report:Res. Spkr. Demo!
by Ed Loranger <we6w@qsl.net>
- 2) [26952] DX Prefixes
by Tom Palmer <n1tp@worldnet.att.net>
- 3) [26953] DX Prefixes
by Tom Palmer <n1tp@worldnet.att.net>
- 4) [26954] Fw: Removing sticky stuff
by w2xn@juno.com (Fred J Kalt)
- 5) [26955] Re: Where are the charts?
by Russ Hines <radioruss@fuse.net>
- 6) [26956] Re: Switching PS Summary....
by alan dawkins <alk0frp@earthlink.net>
- 7) [26957] DX Prefixes
by Tom Palmer <n1tp@worldnet.att.net>
- 8) [26958] Re: Fw: Removing sticky stuff
by DENNISMO@aol.com
- 9) [26959] My 160 meter "slinky"
by Jim NOUR <n0ur@yahoo.com>
- 10) [26960] Re: Removing sticky stuff
by Chris Trask <ctrask@primenet.com>
- 11) [26961] DX60s, GR109s, SP600 & Crashboats Beach memories
by nilsbull@juno.com (Nils R Young)
- 12) [26962] Keys & a book while Ornette plays (maybe dupe)
by nilsbull@juno.com (Nils R Young)
- 13) [26963] Contest 5-6 December
by Bob Hightower <ki7mn@extremezone.com>
- 14) [26964] DX Prefixes (the ARRL's list)and General Links page
by Tom Palmer <n1tp@worldnet.att.net>
- 15) [26965] Thank you for the well wishes!
by Scott Gregson - KC7MAS <emtech@steadynet.com>
- 16) [26966] FS: TenTec Argosy 525 and Argonaut 509
by DaveLeDuc@aol.com
- 17) [26967] Re: Where are the charts?
by "George T. Baker" <w5yr@swbell.net>
- 18) [26968] Fox: K5ZTY log
by k5zty@juno.com
- 19) [26969] mini-1

- by "K. Babcock" <casey@mufn.org>
- 20) [26970] Re: 'Tis was 15 nights before the Night before Christmas
by "Frank" <ke6vbm@earthlink.net>
- 21) [26971] RE: Removing sticky stuff
by Baranger1@aol.com
- 22) [26972] Fox Hunt Logging
by w2xn@juno.com (Fred J Kalt)
- 23) [26973] Radio Shack circuit board
by Patrick Franzis <old_radios@yahoo.com>
- 24) [26974] Re: Radio Shack circuit board
by "Stewart Whitehouse" <ke4yh@email.msn.com>
- 25) [26975] Need DOS Help DESPERATELY (barely qrp-related)
by "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
- 26) [26976] RE: Need DOS Help DESPERATELY (barely qrp-related)
by "Greg Newberry" <newberry@cyberhighway.net>
- 27) [26977] ATT 11-2-10 group
by lprzyski <lprzyski@erols.com>
- 28) [26978] Re: Submarines - not QRP
by Ab7wy@aol.com
- 29) [26979] Re: Fw: Removing sticky stuff
by Wa2eaw@aol.com
- 30) [26980] Re: Fox Hunt Logging
by "Marshall Emm" <mgemm@technologies.com>
- 31) [26981] Re: Removing sticky stuff
by w4pj@w4bkx.ampr.org
- 32) [26982] MINI-L: Radio Shack perfboard size
by Bill & Merleigh Jones <kd7s@psnw.com>
- 33) [26983] N9HBH
by William-McShan@ouhsc.edu (Mike McShan)
- 34) [26984] BayGen
by Thomas Upton <stjohn@ocsnet.net>
- 35) [26985] Re: Radio Shack circuit board
by Bill & Merleigh Jones <kd7s@psnw.com>
- 36) [26986] 11-2-10 2.5 KHz TX tone cure
by "Robert P. Okas" <vintage@best.com>
- 37) [26987] Resonance vs SWR on a 15M Dipole.
by "Ronald H. Evans" <rhevan1@ibm.net>
- 38) [26988] Mini-L (xcvr project)
by n3aaz-qrp@juno.com (John R Kirby)
- 39) [26989] Re: Navaho conversion
by bob evinger <revinger@marshallonline.com>
- 40) [26990] Re: Crystal Source
by dhlaute@juno.com (David H. Lauten)
- 41) [26991] Help with lifted pads
by Jim Martin <jjmartin@cyberzone.net>
- 42) [26992] Re: Submarines - not QRP
by Brad Bradfield <b_bradfield@yahoo.com>
- 43) [26993] Re: Radio Shack circuit board

by Brad Bradfield <b_bradfield@yahoo.com>
44) [26994] Re: [26856] "Why QRP?" color slides available
by jeffrey davis <jeff@jehosopha.com>
45) [26995] SERVO Pot
by "Greg Newberry" <newberry@cyberhighway.net>
46) [26996] Foxii N/T+ reminder
by wn6hyx@qsl.net ()
47) [26997] Re: Removing sticky stuff
by Tim Ahrens <tahrens@inetport.com>
48) [26998] Re: My 160 meter "slinky"
by vlantz@juno.com (Vann G Lantz)
49) [26999] Fireball 40 info
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
50) [27000] MINI-L:What about volunteers?
by Bill Jones <kd7s@psnw.com>
51) [27001] Re: Resonance vs SWR on a 15M Dipole.
by applitech@mcg.net (Claton Cadmus)
52) [27002] Fox: K5ZTY log
by "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
53) [27003] Re: Resonance vs SWR on a 15M Dipole.
by Vic Rosenthal <rakefet@rakefet.com>
54) [27004] Re: My 160 meter "slinky"
by Paula Bailey <pmbail01@ox.slug.louisville.edu>
55) [27005] FS: OHR-100A 40 Meter QRP RIG and KC1
by James Parsons <k5rov@wcc.net>
56) [27006] AR QRP Net results
by Robsparks@aol.com
57) [27007] Re: Slinky
by w4pj@w4bkx.ampr.org
58) [27008] Re: My 160 meter "slinky"
by Monte Stark <ku7y@dri.edu>
59) [27009] SWR and Finals
by "Marshall Emm" <mgemm@mtechnologies.com>
60) [27010] beacon address??
by wj5o@juno.com (William H. Hays)
61) [27011] Re: Radio Shack circuit board
by John Levreault <jlevro@mediaone.net>
62) [27012] CB Conversion
by "John Humphrey" <jhumphre@ultra-tech.com>
63) [27013] Antenna problem
by wn6hyx@qsl.net ()
64) [27014] Re: Crystal Source HW-9
by dhlaute@juno.com (David H. Lauten)
65) [27015] Re: SWR and Finals
by "Rocky" <wb5ftr@greatwhite.com>
66) [27016] Re: SWR and Finals
by John Levreault <jlevro@mediaone.net>
67) [27017] Counting down to GCGR

by "Marshall Emm" <mgemm@mtechnologies.com>
68) [27018] Re: Slinky
by Paula Bailey <pmbail01@ox.slug.louisville.edu>
69) [27019] RE: Antenna problem
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
70) [27020] Re: Radio Shack circuit board
by Monte Stark <ku7y@dri.edu>
71) [27021] RE: Submarines - not QRP
by "Ed Tanton" <n4xy@mindspring.com>
72) [27022] Field Antenna Idea
by Monte Stark <ku7y@dri.edu>
73) [27023] RE: Help with lifted pads
by "Ed Tanton" <n4xy@mindspring.com>
74) [27024] Stinky Slinky
by dave_epps@juno.com
75) [27025] RE: Jersey Fireball 40 CONGRATS !
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
76) [27026] Wonderbar 10m - economical 2 el antenna REVISITED
by "Bruce Barley" <lbbbarley@feist.com>
77) [27027] Re: DX Prefixes
by Tom Palmer <n1tp@worldnet.att.net>
78) [27028] slinky
by "Todd Carpenter" <carpentt@citrine.indstate.edu>
79) [27029] WN6HYX Antenna problem
by Pete Burbank <plburbank@kih.net>
80) [27030] Soldering Skills
by Bill Jones <kd7s@psnw.com>
81) [27031] slinky s can be found at
by "Todd Carpenter" <carpentt@citrine.indstate.edu>
82) [27032] Re: Soldering Skills
by "Mel Evans" <MelGM6JAG@bccscotland.freemove.co.uk>
83) [27033] Realistic TRC 30 Navaho
by Fred Lesnick <flesnick@tbaytel.net>
84) [27034] Duane Alles and his MFJ9030
by KB4CUQ@worldnet.att.net
85) [27035] slinky and other coils
by "ALAN KAUL" <alan.kaul@worldnet.att.net>
86) [27036] Bill Jones Soldering Test at NorCal Meeting in January
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
87) [27037] FS:
by "Gustoff, Mark E" <mark.e.gustoff@intel.com>
88) [27038] Novelty QRPP Contest
by "Bob Kellogg" <ae4ic@nr.infi.net>
89) [27039] ebay experience?
by "Jeff M. Gold" <JGold@tntech.edu>
90) [27040] The December Issue of the ARS Sojourner is a Beaut
by "Russ Carpenter" <russ@natworld.com>
91) [27041] Re:Novelty QRPP Contest

- by Ed Loranger <we6w@qsl.net>
- 92) [27042] Re: Removing sticky stuff
by kkanalz@optelinc.com
- 93) [27043] Re: My 160 meter "slinky"
by "Ivan Dubinsky" <ivand@mountain-inter.net>
- 94) [27044] FYI Club Call
by "Ron Polityka" <wb3aal@talon.net>
- 95) [27045] Dec. Cascade QRP Club meets Saturday
by "Michael Fletcher" <kl7ixi@mailcity.com>
- 96) [27046] Advice please
by Jack_Weaver@cc.chiron.com
- 97) [27047] Re: Slinky
by haf47@juno.com
- 98) [27048] O-QRP Contest
by mike.mhe@t-online.de (Michael)
- 99) [27049] RE: Advice please
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 100) [27050] Georgia on my mind
by "Michael Fletcher" <kl7ixi@mailcity.com>
- 101) [27051] Re: Cold solder joints
by Jim Glover <psykey@okcforum.org>
- 102) [27052] Re: Removing sticky stuff
by Bob Hightower <ki7mn@extremezone.com>
- 103) [27053] re: DOS Problems
by Roy Lincoln <wa4dou@usa.net>
- 104) [27054] RE: Advice please
by "Ed Tanton" <n4xy@mindspring.com>
- 105) [27055] Re: [Re: Radio Shack circuit board]
by Roy Lincoln <wa4dou@usa.net>

Date: Wed, 09 Dec 1998 23:58:46 +0000
From: Ed Loranger <we6w@qsl.net>
To: mgipe@reliablemeters.com
Cc: qrp-l@lehigh.edu
Subject: [26951] Re: Norcal Meeting Report:Res. Spkr. Demo!
Message-ID: <366F0EB6.30F7@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks for the nice words, Mike. It was truly exciting
to share the working prototypes with the Norcal Crew.

Fun, wasn't it! I'm still wondering if the California
Burger Management is going to let me in there again <Big Loud Grin>.

Maybe I'll show them that little teeney, eeetsee beeensie speaker and they'll laugh: "Oh, just a little speaker. That couldn't be too loud....."

I guess on a size/volume comparison, my home stereo system must put out a MegaWatt.

Plans for the little "Kenny" model will consist of a CAD Drawing and Parts list.

What a nice homebrew project. It will be a while before proto-II breaks thru the glass ceiling, but Proto-I is flying well.

72 es Thanks -Ed Loranger WE6W "That Resonant Speaker Guy".. :)
--

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Wed, 09 Dec 1998 19:30:56 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [26952] DX Prefixes
Message-ID: <366F1640.3232FBAE@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

See

<http://www.qsl.at/prefix.rtf>

Comprehensive and especially useful if you know the country but not the prefix.

Tom, N1TP

Date: Wed, 09 Dec 1998 19:34:50 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [26953] DX Prefixes
Message-ID: <366F172A.7D309FC6@worldnet.att.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

See also:

<http://www.cpcug.org/wfeidt/Dxcc/dxcc.html>

Tom, N1TP

Date: Wed, 9 Dec 1998 19:33:19 -0500
From: w2xn@juno.com (Fred J Kalt)
To: qrp-l@lehigh.edu
Subject: [26954] Fw: Removing sticky stuff
Message-ID: <19981209.193542.-951221.14.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Kory,

the best way to get label gum off anything is to use WD-40. Works like a charm.

Fred W2XN
Lakeland, FL
W5YI-VE Skywarn #POL-007 Polk County ARES Net Manager AR QRP
#233 QRP-L #1728
My Web Page:
<http://www.geocities.com/ResearchTriangle/Thinktank/5344/>

----- Forwarded message -----
From: Kory Hamzeh <kory@avatar.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Date: Wed, 09 Dec 1998 15:14:29 -0700
Subject: Removing sticky stuff
Message-ID: <3.0.5.32.19981209151429.00acac50@ns1.avatar.com>

This isn't directly qrp related, but I bought an old bencher paddle, and

there is some sticky gummy stuff on one of the paddles. It looks like this person had some sort of label or tape on the plastic part and them removed it. Why, I'm not sure! However, what is the best way to remove this? I'm afraid to use acetone because it may mar the finish on the plastic.

Thanks,
Kory
AC6RN

Date: Wed, 09 Dec 1998 19:33:04 -0500
From: Russ Hines <radioruss@fuse.net>
To: vlantz@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [26955] Re: Where are the charts?
Message-ID: <366F16C0.ED240D0E@fuse.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry, Vann, but in the U.S., you can have an 8 area call and live in California, so you can't tell anymore. There's a call area chart (map of U.S. divided into call areas) in the ARRL Handbook. If you can't find it, drop me a note and I'll fax you a copy of the chart.

Vann G Lantz wrote:

>
> Where on the internet can I find a chart that will tell me where a Call
> Sign is coming from? (i.e. KB6 California, VE5 Saskatchewan, ...)
>
> Thanks!
>
> Vann Lantz
> KF4QHJ, AL, QRP-L #1790
> VLantz@Juno.Com
> "If there is no God, then who pops up the next Kleenex in the box?"
>
> -----
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
> or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 09 Dec 1998 16:45:02 -0700
From: alan dawkins <alk0frp@earthlink.net>
To: radman@best.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [26956] Re: Switching PS Summary....
Message-ID: <366F0B7E.3B6D047B@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have the Tech America 23 amp supply No noise at all running my 850, Sierra, DSP or 6 or 2 m rig. Ran SS, CQWW, ARCI, all those contests and no problem. Got it when the price was \$79 a few months ago. 4.5 Lbs verses 25 plus lbs. Such a deal.
Al K0FRP

Radman wrote:

> Gang,
>
> I've been getting a mountain of email from guys wanting to
> know if they should buy the Samlex SEC-1223 switching
> supply (13.8VDC @ 23 amps) from TechAmerica -- on sale at
> \$79.95. In summary, I've heard from two owners of the
> Samlex switcher and two owners of the competing Astron
> switcher. Bottom line is that everyone I've heard from
> _loves_ both the Astron and the Samlex! I have heard
> nothing unfavorable about either unit. Both are said to be
> very quiet. In favor of the Samlex: light weight = 3
> pounds; that's 1.2 pounds lighter than the Astron. The
> Samlex can be wired for 110-120 or 220-240 VAC input,
> making it a versatile travel supply for various supply
> mains. The footprint of the Samlex is 7" x 8.25" (2.25"
> high) making it very stackable with various transceivers
> and tuners. The sale price is about half of what some JA
> manufacturers are charging for matching switchers. Sounds
> very favorable!
>
> If any of you have additional comments on these products,
> could you please advise :-)
>
> Hmmm, I think my suitcase is about to get lighter :-) :-)
>
> vry 72 - Conrad Weiss - NN6CW

Date: Wed, 09 Dec 1998 19:40:31 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [26957] DX Prefixes
Message-ID: <366F187F.DAEB49DA@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For DX Prefixes see:

<http://www.ac6v.com/pagev.html#DX>

For many good ham links generally, see:

<http://www.ac6v.com/>

Tom, N1TP.

Date: Wed, 9 Dec 1998 19:59:33 EST
From: DENNISMO@aol.com
To: qrp-l@Lehigh.EDU
Subject: [26958] Re: Fw: Removing sticky stuff
Message-ID: <3eeca5c4.366f1cf5@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All -

Fred W2XN wrote:

<Kory,

the best way to get label gum off anything is to use WD-40. Works like
a charm. >>

I've used WD-40 and it works fine on most gummy/sticky leftovers from labels
and stickers. But I have found that Williams Electric Shave pre-shave works

on everything and is faster. Smells better, too...! Caution: both liquids are very flammable so use accordingly!

72 es God Bless ya all de Denny AD6EZ<><

Date: Wed, 9 Dec 1998 16:32:56 -0800 (PST)
From: Jim NOUR <n0ur@yahoo.com>
To: QRP-L QRP-L <qrp-l@Lehigh.EDU>
Subject: [26959] My 160 meter "slinky"
Message-ID: <19981210003256.10322.rocketmail@send202.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I was trying with no success to wind a coil to load my 80 meter inverted L on 160 meters. While digging through the junk in my shack for a new coil form I came across a "slinky" and a lightbulb in my head went on. I found a piece of fiberglass rod, hung it my deck and slightly stretched the slinky on it. With my Autek RF-1 I tried different tap points and soon found a match to the 50 ohm coax.

Then came the acid test, will I get out?? That night I threw out a few CQ's and to my pleasant surprise heard a reply, but he was only 15 miles away. After a short QSO I signed and for the heck of it sent a QRZ? Well my good buddy N4ROA/QRP in VA came back, I wasn't very strong but was hearing me, I was thrilled. After that got a 559 from Nebraska. I was ready to play in the 160 meter contest. I finished with 130 Q's and 43 sections. I have since mounted a relay to switch between the coil and direct feed to the inverted L, works great.

Hope to hear you on the "top band", you may hear me.

72's

Jim, N0UR

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

On Wed, 9 Dec 1998, Kory Hamzeh wrote:

Best stuff is De-Solv-It, available in almost all grocery stores. I have not found any finish or material that this stuff mars, and it leaves no residue.

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Wed, 9 Dec 1998 18:24:00 -0500
From: nilsbull@juno.com (Nils R Young)
To: QRP-L@lehigh.edu
Subject: [26961] DX60s, GR109s, SP600 & Crashboats Beach memories
Message-ID: <19981209.182406.3518.2.nilsbull@juno.com>

Amigos locos,

I was just out in the outhouse getting the rust off the key that I gibbered about in another posting, and I plugged in the Vietnam-era spy radio three boxes of tubes radio set that I got from Fair Radio Sales many moons ago. The receiver is good for listening to SWL stuff (Radio Habana's 9 MHz sig was really clear . . . for a change) but the transmitter is brute force country simple.

I was immediately reminded of (or flashed back to) a set-up that I laid out on the table in Craig Applewhite's beach front apartment back in the late 60s when I was WP4DKA. I had a DX60B and an old SP600 that had ended up at his digs for some reason or the other. Pretty crude set up. Made a couple contacts state-side & that was about it.

So I'm sittin' out there in the outhouse listening to this receiver from the 60s, keying a transmitter from the 60s into an antenna from hell & thought "Why not? I done it in reform school."

Right after I get the bench cleaned off again and ready for the appearance of the K2 & a refill on my meds (don't ask me about the Reiki Treatment offer that I got today), I think I'm gonna get the Hallicrafters runnin' ('cause it's a better radio than the 60s spy radio receiver) and hose up that old spy transmitter to one of my usually nicely cobbled T/R switch doodads & see what I can do with a handful of crystals & no brains.

It'll be a toss up between flashbacks & memories & maybe a couple QSOs. Too bad I ain't on the beach watching the surf & waitin' for the morros y cristianos to get done. Ah, them's was the days, amigos compa eros.

73

Nils

Nils R. Bull Young :: La Estancia de los Guajolotes Sonrientes
WB8IJN &c :: The Tagalong Press :: email to nilsbull@juno.com
<http://www.geocities.com/Athens/Olympus/9172>

"In my day we had to FIGHT to have email! Every day was a struggle!"

-- Comrade Sergei

Nikolaievich McTovarishov

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 9 Dec 1998 18:15:39 -0500
From: nilsbull@juno.com (Nils R Young)
To: QRP-L@lehigh.edu
Subject: [26962] Keys & a book while Ornette plays (maybe dupe)
Message-ID: <19981209.182406.3518.1.nilsbull@juno.com>

Gang,

(This may be a duplicate message . . . having fun with the Juno machines &c. And in any event, I added to it some.)
I got the Fair Radio '98 flyer the other day & on the front cover was an item that I couldn't resist: #ZA16929, a WW II Canadian key, kinda like #714 in Tom Perera's on-line museum & his collectors guide. Tom gives this key a \$30 price. Fair Radio had 'em for \$22. So if you're interested and you don't get the flyer, call 'em up (419 223-2196 or 227-6573 & see if they still have 'em around. I bought one just 'cause I can't find my British version of the same key.

If I could find the Brit key that I have like this, I'd have one less reason to go to Tom's web site (<http://w1tp.com>) and get his email address so I can ask him if he has the all-brass parts British version. The one I had was in nice shape, time and honor being considered. I got it off Sue Lane when she was the final test person for the TR4s at Drake. I had it mounted on a piece of maple that my father had left in the basement & which I found on his desk after he died. Moved the desk, mounted the key. The usual story of many cognitive markers being involved in a lost item.

Hope it didn't get thrown out when I took it to work to show to my buds.

And then there's the book "Charles Taylor: 1868-1956 -- The Wright Brothers' Mechanician" (subtitle: "The Man Who Provided the Power for the First Powered Flight") is something that I think any technocrazy would love. One of the authors is Howard DuFour, who was until his retirement some years ago, the guy who set up the instrument shop where many neat academic toys had been created at Wright State University. (I've known Howard for all the nearly 19 years that I've worked at WSU & he's a marvelous guy. I personally think he deserves an honorary doctorate for the 14 years of work that went into this book.) If you want to see home brew, check out the manufacture of the first combustion engine used on a flying machine. Some of the technology is amazing. . . as in "It's

amazing they didn't go up in flames." The manufacture of the engine itself is a tale that someone with an intuitive nature will enjoy.

I guess you can get the book through the Wright State University bookstore -- for about \$35 for limited first edition. Howard and Pete Unitt (the authors) signed mine. Go to [<http://www.wright.edu>] for starters

73

Nils

. . . did I mention that the key was NEW (although I had to get the rust off the little shaft that ran through the beam)?

Nils R. Bull Young :: La Estancia de los Guajolotes Sonrientes
WB8IJN &c :: The Tagalong Press :: email to nilsbull@juno.com
<http://www.geocities.com/Athens/Olympus/9172>

"In my day we had to FIGHT to have email! Every day was a struggle!"
-- Comrade Sergei

Nikolaievich McTovarishov

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or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 09 Dec 1998 18:34:09 +0000
From: Bob Hightower <ki7mn@extremezone.com>
To: qrp-1@lehigh.edu
Subject: [26963] Contest 5-6 December
Message-ID: <199812100123.SAA19140@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I think there was a contest on 5-6 December, maybe CQWW DX? Did anyone work it, and if so, what was the exchange? I've gotten a strange qsl card for a 10-meter contact on 12/6 that looks like one from a contest, which I _didn't_ work (for our club call).

72,73

Bob Hightower KI7MN

<http://www.extremezone.com/~ki7mn>

Date: Wed, 09 Dec 1998 20:20:59 -0500

From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [26964] DX Prefixes (the ARRL's list) and General Links page
Message-ID: <366F21FB.95E173B1@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For the ARRL's DX Prefix list, see:

<http://www.arrl.org/awards/dxcc/allocation.html>

For a very comprehensive general ham links page, including 98 QRP sites, see:

<http://www.flnet.com/~crosby/hamlinks.html>

72/73, Tom, N1TP, Naples, Florida. Nitrox diver and collector of things Jiminy Cricket.

Date: Wed, 09 Dec 1998 17:44:11 +0000
From: Scott Gregson - KC7MAS <emtech@steadynet.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [26965] Thank you for the well wishes!
Message-ID: <366EB6EB.E48AC7EA@steadynet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I just wanted to post this thank you to all of you who sent well wishes to my family and me after my father (Roy Gregson) passed away. I am thankful that he and the Emtech line of products were the great blessing that many of you. I hope that we will be able to continue and grow the service and quality that you came to expect from my dad.

Other stuff:

Submarines are boats not ships.

Goop is a great product to remove anything sticky.

Acetone is ok for somethings, but MEK removes anything/everything includeing paint, plastic, liver/brain cells.

Some requested changes to Emtech products, and what we are considering.

1. ZM-2 have the RF and banana connectors on the back of the unit - this is already doable, but we will come out with an alternate decal for the face. In fact here is a link where he put the connectors on the ends, looks kinda like an inline adapter. I also really like the all black paint job with white lettering. N0TU's pages:

<http://www.webaccess.net/~S&P/myqrp.htm>

2. Predrill the face of the ZM-2 - I've scheduled a jig for doing so, or I may have the face plates premade ready to use.

3. Make a new Ladder Grabber for window/300omh line - modification instructions are included in the kit, or go to <http://emtech.steadynet.com/lg300mod.html>

4. Make a Coax Grabber - yes we will do this, but it will be a few months out.

5. Include a meter in the ZM-2 (SWR), and NWxx (relative power out) kits - I may do this, but it will be a long way out, I gotta sleep sometime!

Thanks again!

--

Scott Gregson - KC7MAS

emtech@steadynet.com

<http://emtech.steadynet.com>

Date: Wed, 9 Dec 1998 21:03:00 EST

From: DaveLeDuc@aol.com

To: qrp-1@Lehigh.EDU

Subject: [26966] FS: TenTec Argosy 525 and Argonaut 509

Message-ID: <7c42afe6.366f2bd4@aol.com>

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

Content-Transfer-Encoding: 7bit

Argosy I with embedded research 224 audio filter, crystal calibrator. and manual

The case has a few scratches on the top, face is in good shape. This is a 5/50 watt output 80, 40, 30, 20, 15 and 10 meter CW and SSB transceiver.

PTO is very stable. \$325 plus shipping from 03858

Classic Argonaut 509 with 208 CW filter and manual. This radio has a very

small nick
(about the size of the tip of a pencil) in the paint above the dial bezel,
otherwise it is in absolute mint conditon. This is a 5 watt output, 80-10
meter CW/SSB transceiver The PTO is very stable and dial string is in fine
shape.
\$250 plus shipping from 03858

73 Dave K1EPJ

Date: Wed, 09 Dec 1998 20:23:18 -0600
From: "George T. Baker" <w5yr@swbell.net>
To: vlantz@JUNO.COM
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [26967] Re: Where are the charts?
Message-ID: <366F3096.5E333E01@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Actually, you really can't tell these days since callsigns are not
necessarily being used in the FCC district in which they were issued.
Witness the large number of 1,2 and 3 calls heard from Florida!

72/73, George
Amateur Radio W5YR, in the 53rd year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE #522 ARS 10-X 33.2 N 96.6 W EM13RE

Vann G Lantz wrote:

>
> Where on the internet can I find a chart that will tell me where a Call
> Sign is coming from?

Date: Thu, 10 Dec 1998 05:35:05 -0600
From: k5zty@juno.com
To: prvalco@oakland.edu
Cc: qrp-l@lehigh.edu, rerobins@email.uncc.edu
Subject: [26968] Fox: K5ZTY log
Message-ID: <19981210.053517.10374.0.k5zty@juno.com>

Good evening all you hunters from a 'shot full o'holes' fox. I don't
remember being so nervous before an event in a long time. It took me

several contacts to settle down and get my mind on copying calls. My laptop crapped out so I had to use a memory keyer and paper log and it took a while to get that into the flow. So thanks to all of you hunters for staying with me until I got over the fumbles.

The pack sounded much larger Tuesday nite when I had to concentrate on pulling a call out of it. I have a greater respect for all of the foxes before me now. My appologies to a few of you whom I called then couldn't pull out of the noise and complete the exchange. The QSB was bad after 03:00z.

Here's my version of the hunt:

02:00	W1GL	579	RI	TED	5W
02:01	W4VCT	589	KY	PETE	1721
02:02	N9DD	599	IN	TOM	326
02:03	K10J	559	TX	OJ	732
02:04	NQ7X	559	AZ	FLOYD	343
02:06	WE6W	579	CA	ED	1167
02:07	W2UX	559	SC	GARY	593
02:08	KF4KSM	559	FL	MAC	704
02:10	N1TP	569	FL	TOM	1327
02:12	K50N	579	NM	GARY	770
02:13	K5GQ/M	579	TX	MARK	794
02:15	N2WF	559	NJ	BILL	955
02:16	NA3V	569	PA	JIM	5W
02:17	KU4AF	569	NJ	JOHN	987
02:18	WD8KQY	579	OH	GARY	446
02:19	N4ROA	559	VA	DAN	970
02:20	WS8D	579	MI	MIKE	1188
02:21	K0EVZ	569	ND	DOC	861
02:22	N7VAR	599	OH	RON	263
02:24	K1QM	559	ME	JOEL	?37
02:28	W2XN	579	FL	FRED	1728
02:30	W8SFF	559	MI	STEVE	1288
02:31	N1FN	559	CO	MARSHALL	153
02:31	K8CV	559	MI	WALT	935
02:32	KI0II	559	CO	RON	928
02:33	WB8RCR	449	MI	JOHN	1446
02:34	KQ5U	559	TX	TERRY	1603
02:36	KU7Y	599	NV	RON	17
02:37	K1MG	579	CA	MIKE	614
02:38	K0YO	579	CO	MIKE	1271
02:39	W5SB	599	TX	BILL	1279
02:40	VE3ELA	559	ON	KEN	1236
02:41	N0AR	559	MN	SCOTT	1455
02:42	AE2T	599	NY	AL	1664
02:43	K2VCO	599	CA	VIC	725
02:44	KA4BMK	599	FL	JIM	5W
02:45	N2ZHY	559	NJ	DAVID	2W

02:46	WA8GHZ/5	569	TX	JACK	619
02:48	VE5RC	229	SK	BRUCE	886
02:48	AA9L	559	WI	RICH	1355
02:50	N6WG	449	CA	BOB	26
02:52	N0RN	559	CO	BOB	1789
02:53	KI0KY	559	CO	STEVE	1303
02:54	KA3WWJ	559	PA	KEN	355
02:55	VE2KN	559	PQ	JIM	103
02:56	VE6EWM	559	AB	EARL	1076
02:57	VE3JC	559	ON	JOHN	744
02:58	N3YSI	559	PA	PAUL	3W
03:00	AB7TT	559	AZ	JOE	191
03:01	AE3OU	589	MD	BILL	5W
03:02	WZ2T	599	NY	RICK	122
03:05	KK5WL	599	TX	GARY	440
03:07	KD6VIO	559	CA	BOB	5W
03:09	N0UR	559	MN	JIM	799
03:11	N8IE	599	OH	DAN	1404
03:13	K8ZN	559	OH	DOUG	1724
03:15	N7GS	559	MT	MAL	815
03:17	W2PFS	559	NY	HAL	5W
03:19	WB8E	559	MI	WALT	5W
03:22	KG2LO	559	NJ	ROLAND	1445
03:24	KF2PH	569	NY	DICK	13
03:26	NK6A	559	CA	DON	1517
03:29	WF4I	559	NC	DEREK	5W
03:32	WB9LKC	349	WI	RAY	8
03:37	AK1P	559	CA	PAUL	284
03:39	AA5TA	559	TX	LARRY	1246
03:40	KB9IOT/M	559	IN	DAVID	1410
03:43	W0CH	559	MO	DAVE	617
03:46	W2IV	559	NY	JOHN	1193
03:48	N6VZ	559	CA	GARY	919
DUPE	W2XN	579	FL	FRED	1728 DUPE
03:53	VE3LOH	579	ON	LARRY	1638
03:55	WS4S	449	TN	CONARD	993
03:58	AC5II	449	OK	DON	264

Thanks to those who stayed to the bitter end. I was calling CQ and begging on a dead band. I'll be the last fox on Thursday night March 4th. Hope to hear you all then.

72,
 Bill, K5ZTY
 Houston, TX
 k5zty@juno.com

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or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 09 Dec 1998 21:44:09
From: "K. Babcock" <casey@mufn.org>
To: kd7s@psnw.com
Cc: qrp-l@Lehigh.EDU
Subject: [26969] mini-1
Message-ID: <3.0.5.16.19981209214409.2597c8d4@mufn.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Wow! Can't wait for this to start!! I only wish I was some kind of designer. Sounds like a great learning experience. This is the kind of stuff I want to see on qrp-l.

72,

Kent Babcock, N8WVD Arcadia, MI QRP-L #1605

Date: Wed, 9 Dec 1998 13:32:23 -0800
From: "Frank" <ke6vhm@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [26970] Re: 'Tis was 15 nights before the Night before Christmas
Message-ID: <054001be23ea\$026efc60\$b108b2d1@frankwes>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Did you and the young son agree on a sum of hush money?

By the way Jay, What did you say your wife's E-mail address is?

72 de Frank KE6VHM

Date: Wed, 9 Dec 1998 21:56:29 EST

From: Baranger1@aol.com
To: qrp-l@Lehigh.EDU
Subject: [26971] RE: Removing sticky stuff
Message-ID: <b47000c2.366f385d@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey in a pinch you can use any cooking (corn ect.) oil.
Works like a charm with out leaving the kitchen.
73 Bill W9WCR

Date: Wed, 9 Dec 1998 22:06:30 -0500
From: w2xn@juno.com (Fred J Kalt)
To: qrp-l@lehigh.edu
Subject: [26972] Fox Hunt Logging
Message-ID: <19981209.220631.-951221.26.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I wonder if the foxii can explain to me how they make the contacts, jot
down the info on the exchange, and get a good record of the hunt when
things are moving so fast ? I never worked stations that fast to
develop a method.

I would sure like to learn their tricks of the trade.

Thanks,

Fred W2XN
Lakeland, FL
W5YI-VE Skywarn #POL-007 Polk County ARES Net Manager AR QRP
#233 QRP-L #1728
My Web Page:
<http://www.geocities.com/ResearchTriangle/Thinktank/5344/>

Date: Thu, 10 Dec 1998 10:34:57 +0800 (SGT)

From: Patrick Franzis <old_radios@yahoo.com>
To: QRP list <qrp-1@Lehigh.EDU>
Subject: [26973] Radio Shack circuit board
Message-ID: <19981210023457.7930.rocketmail@send101.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi QRP friends,

I have seen some posts about using Radio Shack printed circuit board. I have used some in the past and it is not of the best quality. I built a TiCK keyer circuit on one and had a lot of trouble with clads and pads lifting and breaking.

Patrick N10CJ

==
== Patrick Franzis
== Email : old_radios@yahoo.com
==

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Wed, 9 Dec 1998 22:41:00 -0500
From: "Stewart Whitehouse" <ke4yh@email.msn.com>
To: <old_radios@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [26974] Re: Radio Shack circuit board
Message-ID: <005601be23ee\$eca864c0\$d595fcd0@default>

I use the RS boards quite a bit without any problem. I have one that I used to proto several circuits and with all the soldering and unsoldering only one pad has lifted, and that was because I got it with too much heat.

The boards aren't the greatest and the copper is pretty thin but, with care they work fairly well. Just be careful to use proper heat for a quick solder joint without over heating the traces/pads. I keep my soldering iron at 700

degrees and use .032 60/40 solder.

72

Stew KE4YH

Dunedin, Florida

EL88oa

---snip--

>

>I have used some in the past and it is not of the best quality. I
>built a TiCK keyer circuit on one and had a lot of trouble with clads
>and pads lifting and breaking.

>

>Patrick N10CJ

>

>

>

>==

>== Patrick Franzis

>== Email : old_radios@yahoo.com

---snip---

Date: Wed, 9 Dec 1998 19:41:19 -0800

From: "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [26975] Need DOS Help DESPERATELY (barely qrp-related)

Message-ID: <19981210034147.FXSM16802@oemcomputer>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

On the computer which KEEPS MY QRP LOGS, I have a problem!! (Not exactly
qrp, but since it impacts upon my qrp record keeping, it sorta is...)

Well, to be truthful -- there was cockpit error yesterday and it has
affected my ability to keep logs (and everything else) on the old 286 10mHz
machine that I have in the shack. It runs DOS 3.30 and does a nice job
with logging program called HYPERLOG (tm), as well as handling serial port
chores for packet and for running the Icom 725 transceiver. The parallel
port is even capable of sending CW during contests using CT.

Here's where the cockpit error comes in....

Last night while searching thru the log for new ones, the program quit

running due to inadequate memory. I ran CHKDSK and discovered there were about a million bytes locked into unusable files and I wanted to recover them.

Believing that the RESTORE command in DOS would restore the hard-drive to optimal conditions, I ran RESTORE. Then I discovered how unknowledgable about DOS I really was. The RESTORE command is to restore files which have been backed up. But since the files I restored were never backed up in the first place.... duh? Get the picture? NOW, I no longer have the original files -- but a collection of new files called FILE0001.REC-thru-FILE0450.REC inclusive. Many of the files are collections of previous files -- bits of ascii, some .exe etc. The common denominator seems to be that they are often in multiples of 2048 bytes (which makes sense because of the way the disk drive is formatted). Some files are quite large -- 1mB or more, some are quite small.

I've been thru the DOS manuals (after the fact is TOO LATE, I know) and find no solution. There might be a fix, but if there is -- it is so obscure that only a TRUE COMPUTER DOS GURU might know the answer.

Fortunately I do have backups for the HYPERLOG (tm) data files, and have dupe files of the CT .bin-files on floppy. I probably can, with some effort, reformat the drive and rebuild everything from scratch (the only "new one" qso that wasn't backed up was with EL2WW -- and I can try to work him again. But if there's a software solution that's available WITHOUT me having to reinstall everything, I'd love to hear about it.

If this sounds like a problem that has a fix, please advise by personal e-mail (I've been embarrassed enough already!). And if there isn't a fix, please advise of that as well!

Please and thank you and best 72/73 de alan

Alan Kaul, W6RCL, LaCanada-Flintridge, CA
<http://home.att.net/~alan.kaul/qrp.html>
alan.kaul@worldnet.att.net
w6rcl@amsat.org

Date: Wed, 9 Dec 1998 21:06:37 -0700
From: "Greg Newberry" <newberry@cyberhighway.net>
To: <alan.kaul@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [26976] RE: Need DOS Help DESPERATELY (barely qrp-related)
Message-ID: <000c01be23f2\$7b80f7e0\$0100a8c0@toby>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Alan, Sit Down....

I've use the Backup/Restore utils since 1982 and I'm not sure it's possible to do what you did with the restore command. However, the RECOVER command does exactly what you are describing. It is desgied to recover sectors on the harddisk that don't seem to belong to a file, and convert them TO a file with the extention .REC. If you don't use any parameters after the command it will convert all of your hard disk to recovered files. I'm not perfect, but after 17 years of supporting PC's and DOS I know of no way to undo this command. I know from experience. I did it 16 years ago..

I hope I'm wrong and someone knows of a nifty utility to fix this. The file size of 2048 is the cluster size that your hard drive was formatted with. Each file being a cluster.

Hope this helps but you may want a good drink!

73's
Greg
WB7DUO

|Believing that the RESTORE command in DOS would restore the hard-drive to
|optimal conditions, I ran RESTORE. Then I discovered how unknowledgable
|about DOS I really was. The RESTORE command is to restore files
|which have
|been backed up. But since the files I restored were never backed
|up in the
|first place.... duh? Get the picture? NOW, I no longer have
|the original
|files -- but a collection of new files called
|FILE0001.REC-thru-FILE0450.REC inclusive. Many of the files are
|collections of previous files -- bits of ascii, some .exe etc. The common
|denominator seems to be that they are often in multiples of 2048 bytes
|(which makes sense because of the way the disk drive is formatted). Some
|files are quite large -- 1mB or more, some are quite small.
|

Date: Tue, 15 Dec 1998 22:49:28 -0500
From: lprzyski <lprzyski@erols.com>

To: kd1jv@moose.ncia.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [26977] ATT 11-2-10 group
Message-ID: <36772DC7.CC436BB7@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Modification of a Radio Shack TRC-501 successful! Power out is 4 watts across freq. range.

I'll be on-the-air mobile tomorrow, and then from the home QTH later this week after I get coax installed to my GAP Titan.

My observations on the my Radio Shack rig conversion:

- Allow about 1/2 hour (total) of soaking the coil slugs with acetone to get them break free. Apply a slight continual torque CCW as you continue to soak the slug with acetone on a cotton swab. Once the slug starts to move, continue CCW rotation until it's all the way out of the coil. Then, clean both it and the form of residue before replacing the slug into the form.
- The VCO is best monitored at pin 15 of the SIP header as Steve later said. I tuned it just as he noted in his 24 Nov1998 post to the group.
- Initially, I got only 1/4W rf out after tuning all xmtr stages. Found that I got 2W rf out by squeezing the turns of RFC705 tightly together. I rewound that coil adding an additional turn - so, in effect, only one turn would have been removed from it instead of two. Finally, I added 22pf across capacitor C704 as Steve suggested and obtained 4W output.
- Xmit coil tuning is very sharp in the Tx bandpass coils L701 and 702 as Steve said. Here, patience and a diode detector across the antenna dummy load will pay off..
- The original C512 cap in my rig was 47 pf.
- The original C713 cap in my rig was 390 pf.
- Step 9 of the instructions should say C7, not C9.
- Birthday candle wax works okay as a lubricant for the coil slugs, but soon crumbles away.

*** Many thanks to Steve Weber for a neat conversion kit! ***

Well done Steve!

72 de Larry - K3PEG

"I love the smell of flux in the morning... smells like circuitry."

Date: Wed, 9 Dec 1998 23:25:05 EST
From: Ab7wy@aol.com
To: qrp-1@lehigh.edu
Subject: [26978] Re: Submarines - not QRP
Message-ID: <89ca4bda.366f4d21@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 12/9/98 11:13:49 AM Pacific Standard Time,
b_bradfield@yahoo.com writes:

<< I swear, all you bubbleheads are more than a bit weird. There's got to be something wrong with anyone who would sink a perfectly good ship on purpose! Sailors belong AT sea, not UNDER it.

Haze grey and underway. >>

I prefer the stealthy, sleek, very silent type of compact water vessel.....its about 18 feet long (for my weight), and runs under my own power....the sea kayak.

now if i can just figure out how to mount the 16 inch triple big guns, rocket launcher and torpedo bays. maybe ill just stick with river patrol.

enjoying the thread, 73....Adam, N7YA

Date: Wed, 9 Dec 1998 23:24:33 EST
From: Wa2eaw@aol.com
To: DENNISMO@aol.com, qrp-1@Lehigh.EDU
Subject: [26979] Re: Fw: Removing sticky stuff
Message-ID: <eb810831.366f4d01@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

To all

Any oil can be used to remove those sticky residues. Even peanut butter works
(due to the oils inherent in it)

Bob Wa2eaw

Date: Wed, 9 Dec 1998 21:35:17 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: w2xn@juno.com (Fred J Kalt), qrp-1@lehigh.edu
Subject: [26980] Re: Fox Hunt Logging
Message-ID: <199812100435.VAA24216@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Hi, Fred, gang--

Some use computers, which can be pretty efficient.

I do it by hand, and the "messages" are sent by a memory keyer, so when I hear a call I send that by hand and hit a button to send my exchange. While that's going out I write down the callsign and the time, then when the other station gives his exchange I write it down as it is sent. Usually the other station sending "BK" gives me time to finish writing his number and grab the paddle.

One good thing about the fox hunt is you don't have to worry about checking for dupes [g].

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
(303)752-3382
--

Date: Wed, 09 Dec 1998 23:42:55 EST
From: w4pj@w4bkx.ampr.org

To: qrp-1@lehigh.edu
Subject: [26981] Re: Removing sticky stuff
Message-ID: <38020@w4bkkx.ampr.org>

Tape or glue residue? Don't laugh till you've tried it -----
Peanut Butter!

Actually it's the oil, so I use cooking oil instead of the PB. =|:^)

de Scott / W4PJ

Date: Wed, 09 Dec 1998 20:54:04 -0800
From: Bill & Merleigh Jones <kd7s@psnw.com>
To: qrp-1@lehigh.edu
Subject: [26982] MINI-L: Radio Shack perfboard size
Message-ID: <3.0.5.32.19981209205404.00831270@mail.psnw.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Boy, I can't sneak anything past you guys. Yes, I messed when I gave you the dimensions of the perfboards planned for use in the MINI-L. The smaller board (276-149) measures 1 7/8" by 2 13/16", not 2 7/8" by 2 13/16". The 1999 catalog says they really measure 1 27/32" by 2 27/32". They're probably right. I can't measure that accurately. Anyhow, I told you the board was one inch wider than it really is. Sorry about that.

"Peace I leave with you, my peace
I give unto you.... Let not your heart
be troubled, neither let it be afraid."
 <>< John 14:27 <><

Date: Thu, 10 Dec 1998 00:21:49 -0600
From: William-McShan@ouhsc.edu (Mike McShan)
To: qrp-1@Lehigh.EDU
Subject: [26983] N9HBH
Message-ID: <v01540b00b29518b39775@[207.193.32.74]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sorry for the bandwidth, but does anyone have the email address for Dan Levit, N9HBH?

Thanks and 72,
Mike N5JKY
Edmond, OK

Date: Wed, 09 Dec 1998 22:38:37 -0800
From: Thomas Upton <stjohn@ocsnet.net>
To: qrp-1@Lehigh.edu
Subject: [26984] BayGen
Message-ID: <366F6C6C.9D04DEA5@ocsnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang.

Six magnets on the periphery of a disk. N S N S N S.

Disk placed over three straps of iron, formed like a six spoked wheel.

Coil of wire centered by the center spindle, laying flat between the straps of iron and the whirling disk

It's enough to light a flashlight bulb, so that means current enough.

No brushes, no static.

Rectify with a bridge rectifier.

Regulate with a regulator.

What say?

Tom AD6N

Date: Wed, 09 Dec 1998 21:01:11 -0800
From: Bill & Merleigh Jones <kd7s@psnw.com>
To: qrp-1@lehigh.edu

Subject: [26985] Re: Radio Shack circuit board
Message-ID: <3.0.5.32.19981209210111.007b4cd0@mail.psnw.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Patrick N10CJ wrote:

>I have seen some posts about using Radio Shack printed circuit board.
>I have used some in the past and it is not of the best quality.

You are correct, Patrick. The copper pads won't stand up to high temperatures or repeated soldering and desoldering. However, with careful use they work extremely well. Price and availability is also a plus.

=====
Bill Jones - KD7S - <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Thu, 10 Dec 1998 01:39:49 -0800 (PST)
From: "Robert P. Okas" <vintage@best.com>
To: qrp-l@lehigh.edu
Subject: [26986] 11-2-10 2.5 KHz TX tone cure
Message-ID: <Pine.BSF.4.05.9812100102560.16754-1000000@shell14.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello fellow 10m AMers,

In the course of converting my RS 21-1701, I discovered a somewhat confounding perturbation in the otherwise pure unmodulated carrier output. It turns out that the Lock Detect output from the PLL chip is the culprit. There's a simple cure, but first a little background.

The Lock Detect signal serves to shunt the bias off the 1st RF stage. This allows the loop to lock onto the TX frequency before the transmitter stages are enabled. I never checked the unmodified rig, but I assume the LD signal was clean. In the 11-2-10 mod, when Motorola PLL is locked, the LD signal is 5 volts (mostly) except for a low-going pulse that lasts 50ns and has a frequency of 2.5 KHz. This pulse manages to kill the bias to the 1st RF stage and drops the carrier in the subsequent stages. At the SO-239, the carrier has a 75-100ns 'notch' in it that creates all manner of mush up and down the spectrum. Receiving stations might also observe a 2.5 KHz tone in your audio.

The fix is straightforward. You'll need a 390 Ohm resistor (1/4 watt

is OK, 1/8 watt is better) and a 0.1 uF ceramic cap. Unsolder and lift the anode of D405 off the board. Install one lead of the 390 Ohm resistor in the hole previously occupied by D405's anode. Tie the diode lead and the free resistor lead together, but don't solder yet. On the Radio Shack unit, the R960 site is unused, I assume the same is true for the Maxon units. The pad furthest from the front panel is ground. Remove the solder from this hole and install one lead of the cap. Tie the other cap lead to the junction of the D405 anode and the 390 Ohm resistor; solder the joint. That's it!

The R&C form a low pass filter which removes the 50nS 'glitch' energy while still maintaining the desired TX holdoff as the phase locked loop settles. If anything, the transmit turn-on is delayed further, which is a good thing. The resulting carrier is free from 'holes'.

Lastly, I'd like to thank Steve Weber for an excellent job well done. My kit went together extremely well and the rig came up the first time. This and a few power output tweaks were the only mods I could come up with.

72/3,
Bob - W3CD

Date: Thu, 10 Dec 1998 12:17:14 +0100
From: "Ronald H. Evans" <rhevan1@ibm.net>
To: <qrp-1@lehigh.edu>
Subject: [26987] Resonance vs SWR on a 15M Dipole.
Message-ID: <000001be242e\$a456cc80\$0c0c5c8b@Internet.deinet.rhevan1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gentlemen:

Having just finished a new dipole I took my new MFJ-259B out and made a few measurements. This marvel of ingenuity (the dipole) is made of Number 14 stranded wire connected in the center with a Budwig HQ-1 Center Insulator and has Budwig HQ-2 End Insulators. The formula for a dipole that I learned somewhere in the distant past is 468 divided by the frequency in MHz equals the length in feet. Therefore at a frequency of 21.225 MHz the length should be 22 feet and 0.59 inches. Naturally when all was said and done my

15M dipole measures 21 feet 8 and 7/8 inches. Just a little short.

Now the ARRL Antenna Book says that the feedpoint impedance of a dipole is $73 + j42.5$ at resonance. I connected an 8231 Wireman W2DU Balun (that is a total of 3 feet of coax and a whole bunch of ferrite) to the HQ-1 and my 259B to the other end and here is the result:

Freq. 21.280 SWR=1.4
R=34 X=0

Freq. 21.175 SWR=1.6
R=29 X=0

X=0 for all frequencies between 21.280 and 21.175 so I am making the assumption that the resonant frequency is about 21.227.

The lowest SWR is at:
Freq. 21.425 SWR=1.3
R=41 X=12

The SWR = 2 points are at 21.804 MHz and 21.004 MHz.

Now in the past when all I had was my trusty CN-720B SWR Meter I would have installed my dipole cut long, put my SWR Meter at the end of the long run of coax and adjusted for minimum SWR in the center of the band and been a happy camper.

Is the resonant frequency of this antenna 21.227? With all this new instrumentation (259B) is there a better way? Could someone give me advice?
72, Ron, K4KTB, Hamburg, Germany

Date: Thu, 10 Dec 1998 06:44:12 -0500
From: n3aaz-qrp@juno.com (John R Kirby)
To: qrp-1@Lehigh.EDU
Subject: [26988] Mini-L (xcvr project)
Message-ID: <19981210.064604.-230773.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Wow, what a good idea.

A modular transceiver as complex as the builder desires based on the

experience of others.

I smell comradely and vote yes.

John
N3AAZ

.

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Date: Thu, 10 Dec 1998 11:50:23 +0000
From: bob evinger <revinger@marshallonline.com>
To: PGHDTS@aol.com, qrp-1 <qrp-1@Lehigh.edu>
Subject: [26989] Re: Navaho conversion
Message-ID: <366FB57F.D4F50ED0@marshallonline.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Is this one of the old crystal synthesized 23 channel sets? I had a Navaho when I got my Ham ticket back in the late 70's. I had converted it successfully(until I cracked a core tuning it) :(If it is one of those vintage it seems like there was only a couple of crystals that had to be changed to get the synthesizer up onto 10 meters. IF it isnt one of those then, I dont know.

bob

--

Bob Evinger		19250 N. Livingston Road		revinger@marshallonline.com
WD9EKA		Marshall, IL 62441		

Date: Thu, 10 Dec 1998 07:12:37 EST
From: dhlauten@juno.com (David H. Lauten)
To: qrp-1@Lehigh.EDU
Subject: [26990] Re: Crystal Source
Message-ID: <19981210.071910.8095.4.DHLAUTEN@juno.com>

QRP-L Gang,

Does anyone know of a good source for a 21.830 KHz crystal for my HW-9 40 meter band?

I had posted about my HW-9 lighting woes. The radio with help of W3RDF, Don Shipman, is now operating on all bands except 40. We both are looking for the 40 meter crystal as his HW-9 also has a bad 21.830 crystal.

Thanks in advance!

72 Happy Holidays and CW Forever,

David Lauten, KF4HAW
Conway, SC (near Myrtle Beach)

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or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 10 Dec 1998 07:09:27 -0500
From: Jim Martin <jjmartin@cyberzone.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [26991] Help with lifted pads
Message-ID: <366FB9F7.303B70DB@cyberzone.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

Fitting in with some recent posts about RS boards... does anyone have any tips for salvaging a PC board with a lifted (and MIA) pad? This particular board is double sided and the pad in question is on the solder side, but not connected to any traces.

Thanks
Jim Martin
KA1UNZ

Date: Wed, 09 Dec 1998 20:30:10 -0800

From: Brad Bradfield <b_bradfield@yahoo.com>
To: resmith666@uswest.net, qrp-l@lehigh.edu
Subject: [26992] Re: Submarines - not QRP
Message-ID: <366F4E52.7E19@yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'll bite. What do you do if you have two navels?

Brad

Date: Wed, 09 Dec 1998 20:34:29 -0800
From: Brad Bradfield <b_bradfield@yahoo.com>
To: old_radios@yahoo.com, qrp-l@lehigh.edu
Subject: [26993] Re: Radio Shack circuit board
Message-ID: <366F4F55.2EB1@yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Patrick et al - -

I certainly agree that the RS boards are not the best quality, but as with any other circuit board, the key to eliminating most damage is to limit excessive heat. The traces on the RS boards are fairly narrow, and do not require much heat at all to solder. I've used them in the past, with a fair amount of soldering/desoldering/resoldering, and do occasionally lift a pad, but not excessively. Try a 20W iron at most. It will take a few seconds longer to get hot enough to melt solder, but will help eliminate the damage you've experienced.

72's es 73's,

Brad, W5CGH

Date: Thu, 10 Dec 1998 09:30:12 -0500
From: jeffrey davis <jeff@jehosophat.com>
To: George Heron <gheron@idt.net>
Cc: QRP-L <qrp-l@Lehigh.EDU>
Subject: [26994] Re: [26856] "Why QRP?" color slides available
Message-ID: <19981210093012.A26931@jehosophat.com>

Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Quoting George Heron (gheron@idt.net) [981208 22:26]:

> You might recall my mentioning a while back that we have a nice overhead
> slide presentation called "Why QRP?" available on our Jersey QRP website ...
> <http://www.njqrp.org/whyqrp/whyqrp.htm> . It's ideal for downloading and/or
> printing out for use as overhead slides at club gatherings, scout intro's to
> ham radio, or just plain reading enjoyment (lots of pics of rigs and some
> nice reference sheets for clubs and literature).

Hey George,

I downloaded the slide presentation and just wanted to say it is terrific! I
have shown it to several hams here at work and we plan to show it at an
upcoming club meeting.

I had forgot to send you a big THANK YOU email before but your new posting
prompted me. Thanks so much for your effort, the presentation is fantastic!

72 de n9avg,
--
jeffrey davis, n9avg
muncie, indiana usa

Date: Thu, 10 Dec 1998 07:31:46 -0700
From: "Greg Newberry" <newberry@cyberhighway.net>
To: "QRP-L Group" <qrp-l@lehigh.edu>
Subject: [26995] SERVO Pot
Message-ID: <000601be2449\$d0dc8cc0\$0100a8c0@toby>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,

Refresh my memory... How is a servo pot different than a normal Audio or
Linear taper pot? What are they used for and can they be used in place of a
standard pot?

Thanks in advance,
73's
WB7DUO
Greg

Date: Thu, 10 Dec 1998 09:44:43 -0500
From: wn6hyx@qsl.net ()
To: qrp-1@Lehigh.EDU
Subject: [26996] Foxii N/T+ reminder
Message-ID: <199812101444.JAA24773@ns1.qsl.net>

Hello Everyone,

Just a reminder that I'll be out there foxing it again tonite! Will be at 7.110 from 0100 -0300 again es hopefully qrm wont be as bad. Everything else is the same as the last posting...hope to see you tonite.

Big thanks again to Doc es everyone else who have helped me get on the air and do this.

Happy Holidays es 72
Mary <><wn6hyx

Date: Thu, 10 Dec 1998 08:51:58 -0600
From: Tim Ahrens <tahrens@inetport.com>
To: kory@avatar.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [26997] Re: Removing sticky stuff
Message-ID: <366FE00E.43B39AA0@inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Kory - you might try paint thinner (mineral spirits). It doesn't seem to mar any plastic, and should take only a minimal amount of rubbing with a soft cloth to clean it up... of course, depending on what the sticky stuff is! Like they say, try it on an inconspicuous place first. (if there is such a place on it)

good luck

Tim W5FN

Date: Thu, 10 Dec 1998 08:43:45 -0600

From: vlantz@juno.com (Vann G Lantz)
To: qrp-1@Lehigh.EDU
Subject: [26998] Re: My 160 meter "slinky"
Message-ID: <19981210.090135.9862.2.VLantz@juno.com>

>>While digging through the junk in my shack for a new coil form I came across a "slinky" and a lightbulb in my head went on.

This is HAM at its finest. I WILL keep a slinky on hand from now on.
Good job!

Vann Lantz
VLantz@Juno.Com

"If there is no God, then who pops up the next Kleenex in the box?"

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Date: Thu, 10 Dec 1998 09:17:28 -0600
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrp-1@Lehigh.EDU
Subject: [26999] Fireball 40 info
Message-ID: <000D5C7E.4159@ccgate.dl.nec.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part
Content-Transfer-Encoding: 7bit

Gang,

I'm having trouble getting into the NJ-QRP club site,
and missed the original announcement.

Can somebody please pass on the Fireball 40 kit info
to me? Price, ordering address, etc. Original post would
be great, if possible.

Please send direct, I'm now in digest mode.

Many thanks, as always.

73 de Dave, NR3E

QRP-L #25
nr Dallas, TX

Date: Thu, 10 Dec 1998 07:27:42 -0800
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@lehigh.edu
Subject: [27000] MINI-L:What about volunteers?
Message-ID: <366FE86E.847F992F@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have already received several offers of help with the MINI-L project. Believe me, my friends, I am sincerely grateful. The success or failure of this project lies solely in your hands. Every single person who has expressed an interest in the MINI-L has become a valued member of the team, whether you realize it or not. Your encouragement and enthusiasm is the fuel that makes it go.

I will issue three separate calls for volunteers. The first will be for designers. Sometime after that will be a second call, this time for builders and beta testers. The last call will be for writers and html programmers.

In each call I will outline what that particular team will be doing along with the kinds of skills and experience team members should have.

The first call---the one for designers---will probably be posted to qrp-l early next week. Stay tuned.

--

=====
Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Thu, 10 Dec 1998 09:12:53 -0600
From: applitech@mcg.net (Claton Cadmus)
To: <rhevan1@ibm.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [27001] Re: Resonance vs SWR on a 15M Dipole.
Message-ID: <061401be2452\$39f924e0\$a10a5e2c@groucho>

Ron,

First you can't depend on the dipole formula and the impedance that you find in the ARRL Handbook. The length formula is an approximation based on "average installation" and the formula is for freespace as I recall. Neither condition will likely be found in your backyard.

Although the newer antenna measuring devices are nice, sometimes more information is not a good thing. You must first understand what these measurements mean and how they should be measured before they are useful. Impedance measurements of an antenna through a bead balun are not reliable. They must be made at the antenna or via an electrical halfwave, or multiple there of, of feedline. Measuring at the antenna is always difficult as the antenna must be in it's operating position without you near it. Getting an accurate electrical length of feedline to use to make a measurement is as much work or more than adjusting the antenna.

Remove the balun and measure the SWR at the antenna if you can and adjust for lowest SWR. Do not concern yourself with removing the reactive component. Or, install the remaining coax and adjust the length of the antenna to get the best SWR at the transmitter. I would do the latter as it is much easier and if the transmitter sees a good match the antenna will work. Also, in this shack anything under an SWR of 1-1.5 is considered good to go.

Hope this Helps,

73 de Cla KA0GKC

Date: Thu, 10 Dec 1998 10:44:44 -0500
From: "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:k5zty@juno.com" <k5zty@juno.com>
Cc: "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@LEHIGH.EDU>
Subject: [27002] Fox: K5ZTY log
Message-ID: <199812101047_MC2-6312-5806@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Bill:

Well you did very well here in Bismarck, ND :-). I could not believe how

strong you were, much stronger than usual here.

Setup was OHR400 at 5 watts to the Inverted WYE during our QSO. I put up two temporary antennas just for the FOX hunting evening. One was a shorty G5RV at 30 feet. Thought that might be enough. Then had a hunch that I might miss you off the end of it. So rushed outside and hoisted the Inverted WYE into a tree. Two radials, coax feed.

The G5RV was only good for Jeff in VA. Bagged Mary and you on the WYE. Sigs were 2-3 S-units stronger on the WYE than the G5RV. Sure glad I had a choice. Worth the extra work, even with very cold temps and strong winds here. But sure gotta get something up permanently.

Anyway, thanks again for serving as our FOX. It was a fun evening. Be sure to come hunting for me 12/24 (actually 12-25, 0100-0300).

72/73,
--Doc Lindsey/K0EVZ
DSBF
P.O. Box 7187
Bismarck, ND 58507
E-Mail 70511.3041@compuserve.com

Date: Thu, 10 Dec 1998 07:55:20 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: rhevan1@ibm.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27003] Re: Resonance vs SWR on a 15M Dipole.
Message-ID: <366FEEE8.BA5C308D@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ronald H. Evans wrote:

> Having just finished a new dipole I took my new MFJ-259B out and made a few
> measurements.

<snip>

> Is the resonant frequency of this antenna 21.227? With all this new
> instrumentation (259B) is there a better way? Could someone give me advice?

I don't understand why the Antenna Book said the impedance at resonance had a

reactive component. I thought it resonance implied that it was a pure resistance.

Anyway, the impedance of a resonant dipole varies with the height. It starts out very low, goes to a maximum (near 100 ohms) at about 3/8 wavelength above effective ground, and then oscillates in a 'damped' manner about 73 ohms as the antenna is raised. At a height of about .2 wavelength or so, the impedance will pass through 50 ohms, at which case you should get a 1 to 1 SWR at resonance. At about 0.6 it will come back down to about 60 ohms; from here on this is the closest you will get to 50 ohms. Your measurements lead me to suspect that the antenna is quite low.

Remember that effective ground is somewhat below the actual grade level. And also remember that none of this matters for performance. The higher the better is the rule; SWR's under 2 to 1 can be ignored (the only problem with 2 to 1 is that many solid state transmitters start reducing the power at this point).

Vic, K2VCO
Fresno CA

Date: Thu, 10 Dec 1998 11:00:13 -0500 (EST)
From: Paula Bailey <pmbail01@ox.slug.louisville.edu>
To: Vann G Lantz <vlantz@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27004] Re: My 160 meter "slinky"
Message-ID: <Pine.LNX.3.96.981210105121.27365A-100000@dragon.slug.louisville.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 10 Dec 1998, Vann G Lantz wrote:

> >>While digging through the junk in my shack for a new coil form I came
> across a "slinky" and a lightbulb in my head went on.
>
> This is HAM at its finest. I WILL keep a slinky on hand from now on.
> Good job!

Slinkys, especially metal ones, ARE wonderful wonderful toys for girl and boy hams and SWLs. :)

There was quite the thread on rec.radio.shortwave recently on various Beverage and "regular longwire" antennas for restricted-antenna areas (i.e. if you're an apartment dweller)--one of the more clever ideas was to use a metal Slinky as an antenna. (This isn't as crazy as it sounds. I actually did some maths, and metal Slinkys actually have about twenty or thirty feet of wire in them [around 7-10 meters for you folks in the rest

of the world--us folks in the States are silly and have been "going to metric" for the past twenty years and STILL haven't made it :)]...the wire is basically flattened steel and solders quite easily.)

I've actually been looking and also found some stuff on "Slinky beverage" antennas specifically meant for field-day/QRP usage...supposedly some of the MARS folk were doing metal Slinky antennas in Vietnam, so it's been around a while.

Using Slinkys in various homebrewing projects has the fringe benefits of Slinkys being dead cheap (sometimes actually cheaper than the equivalent measure of copper wire or plastic! :) and having *two* toys built into one. :)

(Yes, I've been looking into this seriously. I'm planning on moving to an apartment in May, which is causing a pressing need for me to research on restricted-space antennas. :)

-pb

Date: Thu, 10 Dec 1998 10:14:50 -0600
From: James Parsons <k5rov@wcc.net>
To: qrp-1@lehigh.EDU
Subject: [27005] FS: OHR-100A 40 Meter QRP RIG and KC1
Message-ID: <366FF37A.AB3FC1E@wcc.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have an OHR-100A 40 Meter transceiver that is less than three months old. It was factory aligned, and works great. I have made many contacts on it as I tested it, and always got great reports. I am selling it because I wanted to build it, but am not a (blush) real QRPer. When I get the urge to QRP, I turn down the power on my main rig.

I also have the KC1 keyer and frequency counter kit. It was my intention to include this inside the OHR-100A. But, for health reasons, I am not going to be able to do that. This kit is from Wilderness Radio, and is an iambic keyer, and will give you your operating frequency in CW. It also will allow you to key in the frequency you want, and when you tune to it, it will let you know. It is quite a device and will be a great addition to the OHR-100A. All manuals included.

I will sell both for 150 dollars and five bucks for shipping priority

insured mail. Thats not much of a dollar savings, but the rig is built and tested.

73,

Jim, K5ROV

--

James (Jim), Parsons, K5ROV USAF, Ret. 58 yrs a HAM
k5rov@wcc.net, ICQ-17012707, QCWA, NWQRP, Fists, ARRL
EX: W1RLA, K5FBB, K4FEO, SV0WN (CRETE), SV0WN (RHODES),
DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).
JOHN 3:16

Date: Thu, 10 Dec 1998 11:05:30 EST
From: Robsparks@aol.com
To: qrp-l@lehigh.edu
Subject: [27006] AR QRP Net results
Message-ID: <2287df7b.366ff14a@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

The net started at 0130Z on 7.0415, QSY down from the usual 7.042 due to an ongoing QSO just above 7.042.at starting time. Band conditions were good early, but once again deteriorated as the net progressed. Most sigs were easily copied from my QTH in Louisiana between bouts of QRM and QRN. The following stations checked in:

K1QM	Joel	MA	
VE2KN	Jim		QC
W2XN	Fred	FL	
WD4DSX	Randy	GA	
KC0DX	ED		AR
NF0R	Dave	MO	(Let us know when you receive the Norcal!)
K2SJD	Dave	NY	
N5WL	Bart	OK	(Norcal 40a 1.8 watts)
N2T0	Kevin	NYC	(Brooklyn)

The Arkansas QRP Club net meets Wednesday Night at 0130Z at 7.042 mhz
Non-members are welcome (and encouraged) to check in

Bob Sparks AB5ZD AR-QRP #277

Date: Thu, 10 Dec 1998 11:12:45 EST
From: w4pj@w4bkx.ampr.org
To: qrp-l@lehigh.edu
Subject: [27007] Re: Slinky
Message-ID: <38068@w4bkx.ampr.org>

Where to find the metal ones... only see the little plastic slinkys these days. Anybody runs across the metal ones, inquiring minds want to know. (Well, at least 1, mine.)

de Scott / W4PJ

Date: Thu, 10 Dec 1998 08:27:13 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Paula Bailey <pmbail01@ox.slug.louisville.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [27008] Re: My 160 meter "slinky"
Message-ID: <Pine.SOL.3.96.981210082615.8628A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

There used to be a company that made a slinky antenna.

Didn't I see an add just a short time ago from someone like the Wireman with one?

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 10 Dec 1998 09:37:55 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: Vic Rosenthal <rakefet@rakefet.com>, qrp-l@lehigh.edu
Subject: [27009] SWR and Finals
Message-ID: <199812101638.JAA09786@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Hi, Vic, guys--

>>SWR's under 2 to 1 can be ignored (the only problem with 2 to 1 is that many solid state transmitters start reducing the power at this point)<<

That's the popular wisdom, and I believe it has been promoted mostly by makers of radios that have protection circuits in the PA.

But most QRP rigs have no such protection (the old "why spend \$20 to protect a \$2 part argument). My understanding is that ANY reflected power results in heating of the final transistor(s). Since many QRP transmitters are set up to run at the absolute limit of specs for the final transistor (or even a bit beyond spec), a fairly low SWR that would be ignorable in a "protected" final amplifier can easily destroy your QRP final PA.

Practical example-- I run my OHR500 at 5W most of the time. It will put out 8-10W on the lowest bands, so the final is coasting and it has some tolerance for SWR and I will plug my 40M dipole (SWR 1.4:1) straight into without hesitation. But my SW40+ is running to the limit at about 2.5W and so I will use the tuner to give it a "perfect" match.

Time is a factor in TWO ways-- the longer you are "key down" the more the transistor will heat. But also, it can be a problem over time, with progressive damage that isn't noticed until the point of failure. So when I'm tuning the antenna I keep the transmissions to a couple seconds until I am in the ballpark. And that's after "pre-tuning" the tuner by ear, or pre-setting it for known conditions.

In other words, many QRP rigs have virtually NO tolerance for reflected power.

Maybe some of you engineer types can elaborate on this, or if I'm way off the mark let me know! All I know is I haven't blown a final for years, but used to with pretty fair regularity [g]

73

Marshall Emm

N1FN/VK5FN

n1fn@MorseX.com

Morse Express

"Everything for the Morse Enthusiast"

<http://www.MorseX.com>

(303)752-3382

--

Date: Thu, 10 Dec 1998 10:41:00 cst
From: wj5o@juno.com (William H. Hays)
To: QRP-L@LEHIGH.EDU
Subject: [27010] beacon address??
Message-ID: <19981210.104101.-317397.3.WJ50@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All,
My message to Dennis (W8MI club station) bounced at
dhavlana@edcen.chhs.cmich.edu

The W8MI beacon runs 500MW, Mackinaw Island, MI
28.218MHz

I would appreciate an updated E-mail address for Dennis &
the W8MI beacon.

72/73 Bill WJ50

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 10 Dec 1998 11:43:31 -0500
From: John Levreault <jlevro@mediaone.net>
To: b_bradfield@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [27011] Re: Radio Shack circuit board
Message-ID: <366FFA33.5352FFF4@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Brad Bradfield wrote:

> I certainly agree that the RS boards are not the best quality, but as
> with any other circuit board, the key to eliminating most damage is to

> limit excessive heat. The traces on the RS boards are fairly narrow,
> and do not require much heat at all to solder. I've used them in the
> past, with a fair amount of soldering/desoldering/resoldering, and do
> occasionally lift a pad, but not excessively. Try a 20W iron at most.
> It will take a few seconds longer to get hot enough to melt solder, but
> will help eliminate the damage you've experienced.

I must disagree. I work with SM boards every day. I use a 35W iron at max temp. In my experience, the likelihood of lifting a trace is proportional to the amount of time you hold your iron on the pad/pin. The longer you heat the joint, the more likely the trace will lift.

You're right, a 20W iron might take a few seconds to melt the solder, but a 35-40W'er will do it in a second.

73 de nb1i
John

Date: Thu, 10 Dec 1998 11:49:29 -0500
From: "John Humphrey" <jhumphre@ultra-tech.com>
To: qrp-l@lehigh.edu
Subject: [27012] CB Conversion
Message-ID: <s66fb55c.059@ultra-tech.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline
Content-Transfer-Encoding: quoted-printable

I have acquired a HY-GAIN HY-RANGE 5 AM/SSB CB and wonder if anyone knows = if this is easily converted to 10 meters and if so, how?? Anyone have a = schematic?? Thanks,

John H. W4IM QRP-L #1691

Date: Thu, 10 Dec 1998 11:50:40 -0500
From: wn6hyx@qsl.net ()
To: qrp-l@Lehigh.EDU
Subject: [27013] Antenna problem
Message-ID: <199812101650.LAA30847@ns1.qsl.net>

Good Morning Everyone!

Since this is the only antenna I have up...it is a definite QRP problem! Any suggestions will be appreciated.

Had the beam down on Saturday for tuning es swr was as follows: 10; 15; es 20 meters were all below 1.5/1. 40 meters tuned 1.8/1 in cw band. Everything was fine until yesterday am. Tuned up and 10 meters was 3.0/1 es higher up and down the band es 40 meters cw went to 2.5/1. Have changed nothing...no storms...no mice...15 es 20 meters are now 1:1 which is super if that was all I used :). Antenna is a cushcraft A3S with 40 meter add-on. I thought maybe I had damaged my rig on Tuesday nite but tested with the dummy load this am again and the qrp rig is doing it's job just fine and swr meter works fine. Have also tested with my icom es get the same results. HELP!

72

Mary <><wn6hyx
wn6hyx@qsl.net

Date: Thu, 10 Dec 1998 11:56:41 EST
From: dhlauten@juno.com (David H. Lauten)
To: qrp-l@Lehigh.Edu
Subject: [27014] Re: Crystal Source HW-9
Message-ID: <19981210.120313.8095.0.DHLAUTEN@juno.com>

QRP-L Gang,

Does anyone know of a good source for a 21.830 KHz crystal for my HW-9 40 meter band?

I had posted about my HW-9 lighting woes. The radio with help of W3RDF, Don Shipman, is now operating on all bands except 40. We both are looking for the 40 meter crystal as his HW-9 also has a bad 21.830 crystal.

Thanks in advance!

72 Happy Holidays and CW Forever,

David Lauten, KF4HAW
Conway, SC (near Myrtle Beach)

You don't need to buy Internet access to use free Internet e-mail.
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or call Juno at (800) 654-JUNO [654-5866]

----- End forwarded message -----

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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 10 Dec 1998 10:00:39 -0700
From: "Rocky" <wb5ftr@greatwhite.com>
To: qrp-1@Lehigh.EDU
Subject: [27015] Re: SWR and Finals
Message-ID: <199812101000390630.00755EA1@greatwhite.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

I seem to recal MFJ or such having a transmatch-tuner. Might something of= this nature prevent final burnout in the rig (at Murphy's timing)?

***** REPLY SEPARATOR *****

On 12/10/98, at 9:37 AM, Marshall Emm wrote:
>In other words, many QRP rigs have virtually NO tolerance for reflected= power.
>73
>Marshall Emm
>N1FN/VK5FN

Date: Thu, 10 Dec 1998 12:01:57 -0500
From: John Levreault <jlevro@mediaone.net>
To: mgemm@mtechnologies.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27016] Re: SWR and Finals
Message-ID: <366FFE85.1C54FDF@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Marshall Emm wrote:

> In other words, many QRP rigs have virtually NO tolerance for reflected power.
>
> Maybe some of you engineer types can elaborate on this, or if I'm way off the
> mark let me know! All I know is I haven't blown a final for years, but used to
> with pretty fair regularity [g]

The problem is that the load impedance your output transistor sees may be quite a bit different than what the antenna is presenting. This is due to the "impedance-transforming" characteristics of any output impedance matching networks and/or your output lowpass filter. In any case, with a less-than-perfect SWR, it's very difficult to predict exactly what the output transistor will see.

Poor SWR may occur even if your antenna is "tuned", i.e. resonant, but it presents something other than 50 ohms. Likewise, poor SWR may be caused by a net reactance due to the antenna not being properly tuned. In either case, by the time the antenna impedance gets transformed by the output network, it may present a high-impedance, i.e. high-voltage/low-current, load to the output transistor, which may cause the resonant voltage on the collector (or drain etc.) to exceed the voltage breakdown ratings on the part. Or, the transistor may see a low impedance, i.e. high current/low voltage, and the current flowing may blow the part. Or you may have something in between, such that the part simply overheats because its thermal capability is exceeded. It'll work fine for a few minutes, but right in the middle of a long transmission....

If you know your actual antenna impedance, you can examine its off-resonance characteristics and use a Smith chart (for us old-timers) or some RF software to investigate what the output transistor sees. Great fun when the bands are down. Or you can do as was suggested, use a beefy over-designed transistor and build in some immunity.

73 de nb1i
John

>
>
>
>
> 73
> Marshall Emm
> N1FN/VK5FN
> n1fn@MorseX.com

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> <http://www.MorseX.com>
> (303)752-3382
> --

Date: Thu, 10 Dec 1998 10:13:04 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-1@lehigh.edu, cqclist@mtechnologies.com, cw@qth.net
Subject: [27017] Counting down to GCGR
Message-ID: <199812101713.KAA11153@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

We're getting close now, so I thought I'd post a reminder that the Colorado QRP Club's Second First Annual Great Colorado Snowshoe Run is THIS SATURDAY EVENING (0300-0500Z Sunday).

I'll append the rules, but will also point out the main attractions of this CQC "quickie" CW sprint:

It's 40M CW only, and QRO stations are welcome to work participants but can't compete.

It's only two hours long, AND multiple contacts are allowed-- the same station can be worked up to 3 times so long as 30 minutes has elapsed between Q's.

Entry classes are based on ANTENNA TYPE, so the guy with the vertical or dipole has just as much chance of being a "winner" as the guy with the beam at 100' and there will be certificates for the top scores in each SPC.

Hope to work you....

73

Marshall, N1FN

THE SECOND FIRST ANNUAL GREAT COLORADO SNOWSHOE RUN

Sponsored by the Colorado QRP Club

When: 0300-0500Z Sunday, December 13, 1998

Pacific: Saturday, Dec 12 7-9 pm

Mountain: Saturday, Dec 12 8-10 pm
Central: Saturday, Dec 12 9-11 pm
Eastern: Saturday, Dec 12 10pm - 12 midnight

Band: 40 Meters only

Mode: CW

Power: 5 watts maximum for all entrants

(QRO stations are encouraged to join the run, but we can't accept your logs as a contest entry. QRP stations can work QRO stations.)

Classes: Based on antenna type!

W - Single element wire (includes dipole, random wires, Zepp, doublet, inverted "V", slopers, single element loops, inverted "L", etc.)

V - Verticals (includes single element, ground plane, trapped vertical, anything with vertical polarization and omnidirectional pattern).

B - Multi-element arrays/beams (includes beams, multi-element loops, phased verticals, V-beams, rhombics, etc.)

If you are not sure about your antenna class, send us a description ASAP via email and we'll let you know. Operations may be conducted with different antennas provided all antennas used are in the same class.

Exchange: RST + State/Province/Country + Antenna Class + CQC # or Power

Example: 549 CO W NR154 or 559 VA V 5W

Multiple Contacts: The same station may be worked up to three times during the contest, provided there is a minimum of 30 minutes between QSOs with the same station.

Scoring: 3 points per QSO, the first time each station is worked.
2 points for the second time the same station is worked.
1 point for the third time the same station is worked.

Multipliers: SPCs and the number of CQC members worked.
Second and third contacts with the same station, if made, do not count as multipliers.

Total Score: QSO Points X SPCs X Members = Total Score

AWARDS: Certificates will be awarded to the highest scoring station in each antenna class, and the highest scoring station in each SPC.

LOGS: Submit logs showing time UTC, callsign, exchange received and QSO points for each station worked.

Example: 0305 W0CQC CO S 5W 3 1
 0312 K5AB TX V 154W 3
 0336 W0CQC CO S 5W 2 0

Also include a summary sheet giving your name, call sign, antenna class, mailing address, a calculation of your total score. Also include an alphabetical listing of claimed multipliers and a description of equipment and power used. Comments are also welcome.

Logs must be postmarked or e-mailed no later than 30 days post contest.

Mail to: Colorado QRP Club, Inc.
 P.O. Box 371883
 Denver, CO 80237-1883

E-mail (ASCII text files only) to: contest@cqc.org

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
(303)752-3382
--

Date: Thu, 10 Dec 1998 12:24:26 -0500 (EST)
From: Paula Bailey <pmbail01@ox.slug.louisville.edu>
To: w4pj@w4bkx.ampr.org
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27018] Re: Slinky
Message-ID: <Pine.LNX.3.96.981210122220.27631A-100000@dragon.slug.louisville.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 10 Dec 1998 w4pj@w4bkx.ampr.org wrote:

> Where to find the metal ones... only see the little plastic slinkys
> these days. Anybody runs across the metal ones, inquiring minds want
> to know. (Well, at least 1, mine.)

At least where I live (Louisville, Kentucky), the local KayBee toy stores still sell the metal Slinkys.

You might check there or at similar chain toy stores; if you can't find them at all, let me know and I'll try to find some way to get folks some metal Slinkys. :)

They ARE harder to find, I'll admit (then again, they're designing mostly for toy safety for little kids and NOT for the ham radio market :)

> de Scott / W4PJ

-pb

Date: Thu, 10 Dec 1998 11:27:44 -0600
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <wn6hyx@qsl.net>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [27019] RE: Antenna problem
Message-ID: <000001be2462\$6668ed20\$d8016f81@muenzlerk.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Check for loose connections EVERYWHERE. Not just on the "bad" bands but the good ones too. It sounds like you lost some impedance matching somewhere. What you might want to do is loosen ALL the clamps and/or nuts/bolts, wiggle GENTLY then and then retighten them. If this doesn't help then you might have a short or open somewhere. Put a dummy resistor on the end of the coax at the antenna end and see what kind of SWR you get. I've had good SWR into a dead shorted coax before.

Kevin, WB5RUE
wb5rue@stic.net <><

ps: Was WN6HYX your old novice call from many years ago? Mine was WN5RUE up until the FCC decided that novices didn't need "special calls."

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> wn6hyx@qsl.net
> Sent: Thursday, December 10, 1998 10:51 AM
> To: Low Power Amateur Radio Discussion
> Subject: Antenna problem
>
>
> Good Morning Everyone!
>
> Since this is the only antenna I have up...it is a definite
> QRP problem! Any suggestions will be appreciated.
>
> Had the beam down on Saturday for tuning es swr was as
> follows: 10; 15; es 20 meters were all below 1.5/1. 40
> meters tuned 1.8/1 in cw band. Everything was fine until
> yesterday am. Tuned up and 10 meters was 3.0/1 es higher up
> and down the band es 40 meters cw went to 2.5/1. Have
> changed nothing...no storms...no mice...15 es 20 meters are
> now 1:1 which is super if that was all I used :). Antenna is
> a Cushcraft A3S with 40 meter add-on. I thought maybe I had
> damaged my rig on Tuesday nite but tested with the dummy load
> this am again and the qrp rig is doing it's job just fine and
> swr meter works fine. Have also tested with my icom es get
> the same results. HELP!
>
> 72
> Mary <><wn6hyx
> wn6hyx@qsl.net
>
>

Date: Thu, 10 Dec 1998 09:47:20 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [27020] Re: Radio Shack circuit board
Message-ID: <Pine.SOL.3.96.981210093422.8755B-1000000@vortex>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 10 Dec 1998, John Leveault wrote:

> In my experience, the likelihood of lifting a trace is proportional
> to the amount of time you hold your iron on the pad/pin. The longer you
> heat the joint, the more likely the trace will lift.
>
> You're right, a 20W iron might take a few seconds to melt the solder, but a
> 35-40W'er will do it in a second.

This is also what I have seen and learned.

In a factory I had the folks who did the hand soldering of the boards
change from 600 deg tips to 700 deg and the lifted trace problem
all but went away!

Those folks who had the best soldering skills soon went to 800 deg
tips for most of their work and never had a problem.

Here is something you can do to prove to yourselves that too cool
is bad.....

Get some old electronic device and start taking parts off and putting
them back on.

Do this with different temp irons. Note the troubles you have and
at what temps.

This is also interesting to do with different kinds of boards. You
will soon learn to like high quality boards! :-)

Remember.... get in and get out! Don't stay long enough for the
heat to get the trace hot.

I hate to say this, but soldering is just like CW.... it's a skill
and you need to do it, do it, and then do it some more to learn
it!

Gee, I'll bet a "How to Solder" show and tell at some of the
hamfests would be a great way for the new comers to learn how
and for us old timers to learn how too! Any soldering instructors
out there??

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 10 Dec 1998 12:48:40 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: <Ab7wy@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [27021] RE: Submarines - not QRP
Message-ID: <00dd01be2465\$522759c0\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'm sorry... I KNOW this AIN'T QRP... but with regard to the comment below... I had this image of the sleek, stealthy sea kayak coming down Polyarny Inlet to the vast and powerful strains of the theme to "Hunt For Red October"... somehow, it's just not the same for me Adam!!! Maybe if you grew/have a beard similar to that Sean Connery wore that day, and got a Russian Naval P-Coat... but no.... still not the same...

Ed Tanton N4XY

> Haze grey and underway. >>
>
> I prefer the stealthy, sleek, very silent type of compact water
> vessel.....its about 18 feet long (for my weight), and runs under my own
> power....the sea kayak.
> now if i can just figure out how to mount the 16 inch triple big guns,
> rocket launcher and torpedo bays. maybe ill just stick with
> river patrol.
>
> enjoying the thread, 73....Adam, N7YA
>

Date: Thu, 10 Dec 1998 09:55:41 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [27022] Field Antenna Idea
Message-ID: <Pine.SOL.3.96.981210095206.8755D-1000000@vortex>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hmmmmmm,

The topic of Slinky's got me thinking about the little
wind up wire chalk box antenna from the AZ crew and
then.....

How about taking a metal 100' tape and using two of those?
You would just walk out however many feet you wanted.

Simple clip leads to connedt to the feed line?

OK, back in my hole....

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 10 Dec 1998 12:55:55 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: <jjmartin@cyberzone.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [27023] RE: Help with lifted pads
Message-ID: <00e101be2466\$55eb9840\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Jim... there are PC Board repair kits available from such as Newark and
Allied. If the pad had stayed put, epoxy would have done the job (I once
tried super glue-which seemed ideal-but it apparently doesn't like being
heated, and came up the first time I soldered it.) These kits cotain pads,
traces, etc. with a heat activated adhesive on the back, and is exactly what
you're looking for.

Date: Thu, 10 Dec 1998 09:45:11 -0800
From: dave_epps@juno.com
To: qrp-1@lehigh.edu
Subject: [27024] Stinky Slinky
Message-ID: <19981210.100149.-111947.0.dave_epps@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Most R.V. dump hoses are just a slinky in a plastic tube. I think I have
a "new" one
in the garage. I'll give it a try. I wouldn't want a "Stinky Slinky".
dave ab5pc fresno, ca.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 10 Dec 1998 13:08:19 -0500
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: <qrp-1@LeHigh.EDU>
Subject: [27025] RE: Jersey Fireball 40 CONGRATS !
Message-ID: <00c301be2468\$12b67a20\$04000a0a@nwarfiel.usf.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Have read several postings about the Jersey Fireball 40
project in kit form.
What a great idea...
Can I copy it for my radio club ???
Addind the pads for the 2N2222 RF amp is real nice too.
CONGRATULATIONS to the originators of the idea... you see
you are not only promoting QRP + Homebrewing... You are
also reaching foreign radio clubs that will do likewise
Arnie Coro
C02KK

Date: Thu, 10 Dec 1998 12:07:24 -0000

From: "Bruce Barley" <lbbbarley@feist.com>
To: <qrp-1@lehigh.edu>
Subject: [27026] Wonderbar 10m - economical 2 el antenna REVISITED
Message-ID: <01be2435\$a59dc740\$6505f7c6@lbbbarley>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>From Ham Radio mag March '70 PP 54-56

R.A. Clymer W1FPF describes converting an old biconical (if you remember those, you date with the rest of us dinosaurs) TV antenna into a bow-tie (Wonderbar) antenna for 10m. Then he adds a reflector at .15 wavelength (~4') to make a 2 el beam. Claims 3-5 dB gain.

Construction of this critter is fall-out-of-bed simple and looks to be easily duplicated with either copper or aluminum tubing. Something that could be put together in the garage and then easy to tune up before putting it up to full height.

Now the question: has anyone used anything similar to a bow-tie on 10m? How did it perform? The author says the Wonderbar antenna will tune to 1.4:1 SWR. Seems a bit higher than I would like to see for best performance? He uses a 2T link (1-3/4" dia) coupled to a 10-1/2T "loading coil" (1" dia.) #16 gauge "loading coil" and #12 gauge Link. Each bow is an isosceles triangle with legs of 48" and a base of 30". The apex of each bow is connected to an end of the "loading coil". It is fed directly to the "Link" with RG-8.

If you have antenna modeling software available to you, will you please model this antenna? Are these dimensions optimal? How does the performance compare to an inductively shortened dipole used with a reflector to make a 2-el beam?

This critter looks interesting, but the geometry is (dated) a bit peculiar. Worthwhile? Yes? No? If you have any info on this please post it back to the list. A bit of added gain + directivity

is always a + when operating QRP. Thanks.

Bruce KB0PZD qrp-1 # 69
lbbarley@feist.com

Date: Thu, 10 Dec 1998 13:19:35 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27027] Re: DX Prefixes
Message-ID: <367010B7.68241D62@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Typo correction. The correct address is:

<http://www.ac6v.com/pagev.html#DX>

It's a (.) after "www" not a comma.

Sorry. Tom, N1TP. The site is worth a visit.

Tom Palmer wrote:

> For DX Prefixes see:
>
> <http://www.ac6v.com/pagev.html#DX>
>
> For many good ham links generally, see:
>
> <http://www.ac6v.com/>
>
> Tom, N1TP.

Date: Thu, 10 Dec 1998 13:36:37 -0500
From: "Todd Carpenter" <carpentt@citrine.indstate.edu>
To: <qrp-1@Lehigh.EDU>
Subject: [27028] slinky
Message-ID: <4C0E87D694E@citrine.indstate.edu>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I built an antenna using 6 slinkys. It was based on a qst article from 1974.
The author built it for 80 meters using 300 ohm feedline and a transmatch.
the two halfwave
diapole elements are stretched out to a predetermined length on wooden
dowels. and jumpers and tuning stubs are used to match it on different
bands. Quite compact. I am hoping to try mine on the air soon.

73, Todd.

N9YSQ

Date: Thu, 10 Dec 1998 13:40:42 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@Lehigh.EDU>
Subject: [27029] WN6HYX Antenna problem
Message-ID: <3.0.32.19981210132520.006e195c@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Mary,
It sounds like it could be a connection problem brought on
by movement during tuning etc.
By "down" do you mean you have a crank up or tilt-over tower?

I would start by checking the feedline connectors. PL-259s often
have flaky solder joints where the shield connects. (This is assuming
that you are using coax.) If you can connect your dummy load at the
antenna end it would tell you a lot. If the feedline checks ok,
The problem could be oxidation at aluminum joints...like the
matching hardware.
Good Luck!!
Pete W4VCT

Date: Thu, 10 Dec 1998 10:45:09 -0800
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@lehigh.edu
Subject: [27030] Soldering Skills
Message-ID: <367016B5.698F3AF@psnw.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Since the subject has come up, I will add my two cents worth.

I teach a seven week, basic electronics class at my local Adult Education center. Part of my course involves soldering techniques. Here's what I do.

I give each student four pieces of #18 copper wire, four inches long. I have them solder the pieces end to end to form a square. They are not allowed to make a mechanical connection, just the solder connection. >From there I take two students (along with their respective wire squares) and give them four more pieces of wire. They use these to form a wire cube. Again, no mechanical joints allowed.

When they're finished I take their cubes, stand on the teacher's desk and drop them to the floor. If it stays together, they pass.

The students really love this exercise because I turn it into a competitive event and everybody is out to make the prettiest, brightest and strongest solder joints they possibly can. They learn very quickly to recognize a cold solder joint in the process.

If you think it's simple to make a 4" wire cube, try it yourself.

--

=====
Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Thu, 10 Dec 1998 13:45:37 -0500
From: "Todd Carpenter" <carpentt@citrine.indstate.edu>
To: <qrp-1@Lehigh.EDU>
Subject: [27031] slinky s can be found at
Message-ID: <4C10F8B1115@citrine.indstate.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

metal slinkys can be found Hills department stores, Osco/Revco drugstores, some toy stores. Especially in the midwest. I bought mine for \$2.00 each.

I also found some miniature ones, but havent figured out how to build an antenna from them. I can get the address of the manufacturer of slinky's if anyone needs it.

Also i can find the exact article and authors name for the antenna if anyone is interested.

73, Todd N9YSQ

Date: Thu, 10 Dec 1998 19:05:17 -0000
From: "Mel Evans" <MelGM6JAG@bccscotland.freemove.co.uk>
To: <kd7s@psnw.com>
Cc: <qrp-1@lehigh.edu>
Subject: [27032] Re: Soldering Skills
Message-ID: <000001be2470\$5e8ba620\$a209883e@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Bill and gang,

Well, I couldn't resist this one, and Bill is absolutely right, this is a cracking test of one's soldering skills.

Thanks and regards

Mel

GM6JAG
Edinburgh, Scotland UK
Home of the last HW 9

and a 4 inch cube of wire (well nearly a cube) :-)

-----Original Message-----
From: Bill Jones <kd7s@psnw.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Thursday, December 10, 1998 6:50 PM
Subject: Soldering Skills

>
>I teach a seven week, basic electronics class

Part of my course involves soldering techniques.
>Here's what I do.
>
>I give each student four pieces of #18 copper wire, four inches long. I
>have them solder the pieces end to end to form a square. They are not
>allowed to make a mechanical connection, just the solder connection.
>>From there I take two students (along with their respective wire
>squares) and give them four more pieces of wire. They use these to form
>a wire cube. Again, no mechanical joints allowed.
>
>When they're finished I take their cubes, stand on the teacher's desk
>and drop them to the floor. If it stays together, they pass.
>
>
>If you think it's simple to make a 4" wire cube, try it yourself.
>--
>=====
>Bill Jones - KD7S <><
>Sanger, California
><http://www.psnw.com/~kd7s>
>=====
>

Date: Thu, 10 Dec 1998 14:19:16 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: njqrp <njqrp@njqrp.org>, qrp-l <qrp-l@Lehigh.EDU>, "qrp-
canada@lists.gpfn.sk.ca" <qrp-canada@lists.gpfn.sk.ca>
Subject: [27033] Realistic TRC 30 Navaho
Message-ID: <36701EB4.8C367DB4@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Cant remeber where I seen it. But whoever asked about the conversion
could you e-mail me direct. i may be able to help you..
73 Fred VE3FAL

Date: Thu, 10 Dec 1998 14:32:50 -0500
From: KB4CUQ@worldnet.att.net
To: qrp-l@Lehigh.EDU

Subject: [27034] Duane Alles and his MFJ9030
Message-ID: <19981210193010.GNBC23268@utcpoqli>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Duane Alles posted a MFJ-9030 but did not give his E-Mail address. I would like to get in touch with him.

Clyde L. Barnett KB4CUQ
109 Wheeler St.
Duncan, SC 29334

E-Mail; kb4cuq@worldnet.att.net

Date: Thu, 10 Dec 1998 11:34:40 -0800
From: "ALAN KAUL" <alan.kaul@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27035] slinky and other coils
Message-ID: <19981210193139.GNME23268@default>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

A few years ago, QST-Magazine or CQ-Magazine carried an item about using readily available, helically wound, 4-inch diameter coils for antennas..... It's cheap and easy and found in most hardware stores..... The article suggested using DRYER VENT FLEX TUBING (the stuff that connects between the laundry dryer and the outside vent).

Alan Kaul, W6RCL, LaCanada, CA e-mail: w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html> or
<http://home.att.net/~alan.kaul/qrp.html>

Date: Thu, 10 Dec 1998 11:46:19 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [27036] Bill Jones Soldering Test at NorCal Meeting in January
Message-ID: <01be2475\$c2a63a80\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ok, NorCal members who will be attending the next NorCal meeting on Jan. 3. We are going to have some fun with the Bill Jones, KD7S Soldering challenge. See if you can build a 4" cube out of #18 copper wire and solder. No mechanical joints. I will stand on a table and drop the entries to the floor. Winners will be those who pass the "drop" test. You will win a "mystery prize" which will you will be able to use your soldering skills on!

See you at the meeting. Kudos to Bill for a great idea!! 72, Doug, KI6DS

Date: Thu, 10 Dec 1998 12:20:23 -0800
From: "Gustoff, Mark E" <mark.e.gustoff@intel.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [27037] FS:
Message-ID: <0948C812BA5FD211AC3F00A0C96920CA35A380@FMSMSX46>
MIME-Version: 1.0
Content-Type: text/plain;
charset="ISO-8859-1"

Gang:

Have for sale the following excellent multi-band
QRP rigs:

OHR-400 80/40/30/20 5W CW only Transceiver
Built-in keyer option
Rig professionally aligned by Dick @ OHR
Mint Cdx - \$300 shipped UPS to lower 48

FT-7 80-10M 20W CW/SSB Transceiver
Early Yaesu mobile tcvr
Great acquisition for collectors.
Complete with manuals/mic.
Excellent condition in & out.
\$300 shipped UPS to lower 48.

Index Labs QRP+ (original version)
All band CW/SSB 5W Transceiver
Unmodified except for 4C EPROM upgrade
Still looks/works as new
\$340/shipped UPS to lower 48

All three rigs constrained to indoor usage
only with the kindest of SWR match. At least
two of the three need to go in order to
clear some operating space on the table :)

Happy Holidays to all!

72/73,

Mark Gustoff / W07T
2318 W. Harrison Street
Chandler, AZ 85224
E-Mail wo7t@juno.com

Date: Thu, 10 Dec 1998 15:22:18 -0500
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "qrpforum" <qrp-l@lehigh.edu>
Cc: "klqrp" <klqrp@waterw.com>
Subject: [27038] Novelty QRPP Contest
Message-ID: <199812102023.PAA25718@fh106.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

For the past several years, there has been a QRPP contest late in the year.
First it was the 40-9er contest, then it became the 40-9er/Pixie contest,
etc. With so many KnightSMiTes in the field, the Knightlites are
sponsoring it this year, and it's simply the Novelty QRPP contest.

It will take place on the 28th, 29th and 30th of December. The idea is to
get those simple rigs that put out less than a watt on the air and make as
many contacts as possible. The contest runs for two hours each of the
three nights, and logs are turned in for the best two of the three nights.

The scoring is weighted by rig, so QRO stations are welcome. Part of the
fun is that the exchange includes a rig code, so you know what equipment
your contact is operating

I'll post a copy of the rules shortly. In the meantime, finish up your
KnightSMiTe and your Pixie II, dust off those 40-9ers, and get ready for

some fun!

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. -- Benny Hill

Date: Thu, 10 Dec 1998 14:41:43 -0600
From: "Jeff M. Gold" <JGold@tnitech.edu>
To: QRP-L #98 <qrp-l@lehigh.edu>
Subject: [27039] ebay experience?
Message-ID: <002501be247d\$7f4087c0\$4d0b9595@Jeffro.cc.tnitech.edu>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,

anyone have any experience selling gear over Ebay?

I am considering selling my HW9 with WARC, S&S programmable counter and Oak Hills keyer to pay for the K2 (my son has a bad habit of spending all my spare money). May also have to sell my TT Argosy II and matching supply.. but really want to keep it as back up.

72
Jeff, AC4HF

Date: Thu, 10 Dec 1998 13:00:40 -0800
From: "Russ Carpenter" <russ@natworld.com>
To: "QRP-L List" <qrp-l@lehigh.edu>
Subject: [27040] The December Issue of the ARS Sojourner is a Beaut
Message-ID: <199812102057.MAA26553@guppy.pond.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

The December issue of The ARS Sojourner is live. Once again, our Executive Editor, Richard Fisher, KI6SN, has done a superb job. Give yourself a Christmas present by hopping on over to <http://www.natworld.com/ars>.

Russ Carpenter, AA7QU

Alleged Webmaster

Date: Thu, 10 Dec 1998 21:16:25 +0000
From: Ed Loranger <we6w@qsl.net>
To: ae4ic@nr.infi.net
Cc: qrp-1@lehigh.edu
Subject: [27041] Re:Novelty QRPP Contest
Message-ID: <36703A29.7ADD@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

YaHooo!!!!!!

I was really worried this one might not go this year.

Glad you guys stepped up to the plate.

Folks, this is a really fun contest. And if you miss a night for some reason, you don't get dinged for it.

Last year, about 2 days or so before the contest I decided to build a Pixie2 specifically for the contest.

It was very successful and ended up writing an article for the Spring 1998 QRPP magazine. "WE6W Contes Pixie".

Except for a minor tweak in the output filters, that same Pixie2 will be my MAIN Station at my QTH for the next 7 days.

And I'll be playing in the "Novelty QRPP Contest" with it for sure!

What a great opportunity to dust off those Peanut Whistles and get them 2X QRPP QSO's you thought were impossible.

Thankyou Knightlites QRP Club.

72 Ed WE6W

P.S. The Radio Adventures Freq. Cntr/DD I won in this test last year is fabulous and is used nightly!

--

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Thu, 10 Dec 1998 15:18:10 -0600
From: kkanalz@optelinc.com
To: kory@avatar.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [27042] Re: Removing sticky stuff
Message-ID: <862566D6.00752BD6.00@hdqsmtp01>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

There's a product called "Goof-Off" (or was that "Goo-Off"?)
in a little can that looks like a short Zippo lighter fluid can.

You can buy this stuff at Home Depot, most hardware stores,
and in some supermarkets. I think I paid about \$1.98 for my
can.

In fact, it SMELLS like lighter fluid (pocket lighter, that is, not
charcoal lighter fluid!).

Anyway, I've used this on all sorts of plastics without causing
any problem(s).

Karl K. - W8TIif
McKinney, Texas

Date: Thu, 10 Dec 1998 13:21:26 -0800
From: "Ivan Dubinsky" <ivand@mountain-inter.net>
To: <ku7y@dri.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [27043] Re: My 160 meter "slinky"
Message-ID: <004401be2483\$200b9be0\$965ff4cc@ast>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The "Slinky" antenna used to be sold by Antennas West. They've since

gone out of business and their product line has been taken over by
Antennas & More in Provo, Utah. Their 1998 catalog still lists the
"Slinky" dipole. They list a toll free phone number as (888) 277-5718.
Mailing address is:

1038 South 350 East
POB 51591
Provo, Utah
USA 84605

Best regards to the list

Ivan Dubinsky
VE8ID/VE7

-----Original Message-----

From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, December 10, 1998 8:31 AM
Subject: Re: My 160 meter "slinky"

>There used to be a company that made a slinky antenna.
>
>Didn't I see an add just a short time ago from someone
>like the Wireman with one?
>
>73, Ron, SOWP 5545M,
>
>.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
>....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
>....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 10 Dec 1998 16:33:12 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [27044] FYI Club Call
Message-ID: <002f01be2484\$b27ef3e0\$4a5445c6@programs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The Eastern PA QRP Club's new call is N3EPA. So if you ever hear

it on the air please stop by and say hello.

See everyone at the Atlanticon 99.

Happy Holidays

73 & Good DX,

Ron de WB3AAL wb3aal@talon.net

vvv Eastern PA QRP Web Page vvv

http://www.kpsnet.com/wb3aal/Start_Page.htm

Eastern PA QRP #1

Eastern PA QRP Club Call --> N3EPA

Date: Thu, 10 Dec 1998 13:38:37 -0700
From: "Michael Fletcher" <kl7ixi@mailcity.com>
To: qrp-1@Lehigh.EDU
Subject: [27045] Dec. Cascade QRP Club meets Saturday
Message-ID: <OHMNHAIIGJHBDAAAA@mailcity.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

All able to attend the Portland, Oregon area Cascade QRP Club monthly meeting are invited to join us this Saturday.

Meetings are the second Saturday of each month in the backroom of the Carrows restaurant, just a few blocks east of the Ham Radio Outlet on Hwy 99W in Tigard.

Join us for coffee or brunch at 9 a.m. New faces always welcome!

The Cascade QRP Club is a club with no dues or formalities, everyone is a Prez, and just enough center to be interesting.

72,
Mike KL7IXI/7
Vancouver, WA

Get your FREE Email at <http://mailcity.lycos.com>
Get your PERSONALIZED START PAGE at <http://personal.lycos.com>

Date: Thu, 10 Dec 1998 13:26:10 -0800
From: Jack_Weaver@cc.chiron.com
To: qrp-1@Lehigh.edu
Subject: [27046] Advice please
Message-ID: <0011E041.CE21364@cc.chiron.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part
Content-Transfer-Encoding: 7bit

Sorry guy's if this is a little off topic, but I need some advice. I want to use one pair of speakers for both a TV and a hifi system. I would like to just wire the speakers in parallel to both pieces of equipment (they will never be turned on at the same time). Is there any danger to the electronics of either piece of equipment in doing this? Is it dangerous to apply power "through the back door" of the equipment not in use?

Thanks for any help.

Jack
K6GI

Date: Thu, 10 Dec 1998 13:22:55 -0500
From: haf47@juno.com
To: pmbail01@ox.slug.louisville.edu
Cc: qrp-1@Lehigh.EDU
Subject: [27047] Re: Slinky
Message-ID: <19981210.163609.-3786.0.haf47@juno.com>

Hi Paula,

I have to tell you how pleasant it is to note the "new" interest in Slinkys. I am one of the many thousands who successfully used Slinkys 30 years ago while living in an apartment.

The Slinky is still made in the US, somplace in Pennsylvania I believe. Maybe they aren't "made" for antennas, but the outfit that makes them used to be very ham friendly. I can remember when Slinkys were offered with copper plating by special order. I have no idea if it made for a better antenna, but this copper coating kept the Slinky from rusting.

As I recall, Slinkys (metal) come in two diameters. The smaller diameter Slinky was not recommended for use by the " ham authorities" when I was

experimenting back then.

73, Howard

WA2AFD
haf47@juno.com

On Thu, 10 Dec 1998 12:24:26 -0500 (EST) Paula Bailey
<pmbail01@ox.slug.louisville.edu> writes:

>
>
>On Thu, 10 Dec 1998 w4pj@w4bkx.ampr.org wrote:
>
>> Where to find the metal ones... only see the little plastic slinkys
>> these days. Anybody runs across the metal ones, inquiring minds want
>> to know. (Well, at least 1, mine.)
>
>At least where I live (Louisville, Kentucky), the local KayBee toy
>stores
>still sell the metal Slinkys.
>
>You might check there or at similar chain toy stores; if you can't
>find
>them at all, let me know and I'll try to find some way to get folks
>some
>metal Slinkys. :)
>
>They ARE harder to find, I'll admit (then again, they're designing
>mostly
>for toy safety for little kids and NOT for the ham radio market :)
>
>> de Scott / W4PJ
>
>-pb
>
>

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Date: Thu, 10 Dec 98 21:16 +0100
From: mike.mhe@t-online.de (Michael)
To: qrp-l@lehigh.edu
Subject: [27048] O-QRP Contest

Message-ID: <m0zoDW9-000488C@ermail00.btx.dtag.de>

Invitation to 5th ORIGINAL-QRP-CONTEST

QRP-Contest-Community (qrpcc)
c/o Dr. Hartmut Weber, DJ7ST
Schlesierweg 13
D-38228 SALZGITTER

6-Dec-98

PR: DJ7ST @ DB0ABZ
Phone: 05341-50113

The QRP-Contest-Community (qrpcc) cordially is inviting to

O R I G I N A L - Q R P - C O N T E S T S

Participants: Operators of original QRP rig, commercial or homebrew, including industrial QRP rig exceeding 5w output like QRP Plus, FT-7 and QRP versions of QRO-transceivers like TS-130 V, FT-707S etc.
Stations with QRO-equipment (>20W out) temporarily tuned down to QRP will be listed as 'non Original'checklog.

Date: 26/27-Dec-98 (1st weekend after Christmas Day).
03/04-Jul-99 (1st weekend in July)

Time: Saturday 1500 UTC till Sunday 1500 UTC,
rest period of 9 hours minimum in one or two parts.

Frequencies: CW segments of the 80-, 40-, and 20m band.

Call: CQ OQRP (Original QRP)

Categories:	V L P (1W out or 2W in)	Q R P (5W out or 10W in)
	M P (20W out or 40W in)	no QRO-category

Operation: Single-op CW. Various TX or TRX may be operated, but only one at the same time.

Exchange: RST, serial-no./ category e.g. 559001/VLP. No series reports.

QSO-Points: The log checker counts 4 points for a qso with another

contest station whose log has come in.
All other QSO count 1 point.
Exchange of RST is sufficient with stations not in contest.

Multiplier: The log checker will count 2 multiplier points for each DXCC-country from a qso with a station whose log has come in. Otherwise each DXCC-country counts 1 multiplier point.

Final score: Sum of QSO-points multiplied by the sum of multiplier-points. (Calculated by the log checker. Don't try an own calculation: you can't foresee who will send his log and who will not).

So every log is welcome and important, even just 3 QSO on a picture postcard

Logs: List QSO sorted bandwise, please. Add the DXCC prefix if you claim a multiplier for a QSO.

Summary sheet: must show name, address, callsign and minimum rest periods. Indicate the types of all TX/TRX used with out- or input on each band according to manufacturer or measured under contest conditions. Homebrew rigs description should name pa-transistor/tube and possibly a reference (e.g. SPRAT No.)

Deadline: 31-Jan / 31-Jul to:
Dr. Hartmut Weber, DJ7ST, Schlesierweg 13, D-38228 SALZGITTER

- - - - -

The contest idea is to promote creative or unconventional hamming like homebrewing or just doing it without the 'luxury' QRO equipment from time to time.

This event more than other contests has a meeting character. The result lists show that many operators have an original QRP rig for one band only and so are taking part single band with just a couple of qso and without the intention of high scoring or even winning.
So please send your log even if you did or wanted to do only a few qso.

Many of you will have family commitments at 26/27-Dec and limited time for QRP, but more and more YL/OM will be glad at least to be in contact with QRP friends at Christmas...

If you don't know us yet:

The QRP-Contest-Community (qrpcc) is a supra-national network of qrp

enthusiasts (at present more than 160 promoters from 12 nations) pursuing the organization and promotion of QRP Contests succesfully since 1992.

The qrpcc may be viewed as a support group taking care of the qrp'ers interests in a self-help manner.

Since 1996 the qrpcc carries out the ORIGINAL-QRP-Contest, designed for genuine QRP gear.

The Homebrew & Oldtime-Equipment- Party since 1997 also has been organized by qrpcc.

Because of its international design qrpcc does not seek any affiliation with national ham radio organizations but is open to any friendly cooperation.

The promoters of qrpcc are supporting the idea by personal participation in organizing, log-checking, printing address labels etc. or by contributing to postage costs. You are welcome!

p.t.o.

Thank you very much in advance and best 73/2 de "Hal", Hartmut, DJ7ST

(and thanks for a short feedback, if you read out this mail)

Date: Thu, 10 Dec 1998 15:53:39 -0600
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <Jack_Weaver@cc.chiron.com>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [27049] RE: Advice please
Message-ID: <000001be2487\$8c5506c0\$d8016f81@muenzlerk.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

You will damage one or the other (or both) pieces of equipment by doing this. It won't matter if they are not on at the same time. You will need to switch one out while the other is on and visa/versa. The easiest thing to do is get a speaker switch-box from Radio Shack. One that is designed for two sets of speakers from one unit. Hook it up backwards (hook amps to the speaker connections and hook the speaker to the amp connection.)

Kevin

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU

> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Jack_Weaver@cc.chiron.com
> Sent: Thursday, December 10, 1998 3:26 PM
> To: Low Power Amateur Radio Discussion
> Subject: Advice please
>
>
> Sorry guy's if this is a little off topic, but I need
> some advice. I
> want to use one pair of speakers for both a TV and a
> hifi system. I
> would like to just wire the speakers in parallel to both
> pieces of
> equipment (they will never be turned on at the same
> time). Is there
> any danger to the electronics of either piece of
> equipment in doing
> this? Is it dangerous to apply power "through the back
> door" of the
> equipment not in use?
>
> Thanks for any help.
>
> Jack
> K6GI
>

Date: Thu, 10 Dec 1998 14:03:21 -0700
From: "Michael Fletcher" <kl7ixi@mailcity.com>
To: qrp-1@Lehigh.EDU
Subject: [27050] Georgia on my mind
Message-ID: <KLBELBOMCNCDAAAA@mailcity.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings:

I'm moving from Washington state to a new job in Norcross, Georgia and should arrive there Tuesday.

I would like to meet up with QRPers in the area and heard that about a Northern Georgia QRP Club that meets quarterly. I'll be keeping this e-mail address so would like to know of any activity in the Atlanta area.

72,

Mike KL7IXI
Sierra, SW-40+, .38 Special,
Cascade QRP Club, AK QRP Club #258, NorCal, QRP-L #1186

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Get your PERSONALIZED START PAGE at <http://personal.lycos.com>

Date: Thu, 10 Dec 1998 16:15:25 -0600 (EST)
From: Jim Glover <psykey@okcforum.org>
To: qrp-l@lehigh.edu
Subject: [27051] Re: Cold solder joints
Message-ID: <199812102215.QAA01712@okcforum.org>
Content-Type: text

michael N6CHV advised:

> If the solder is dull and/or corroded then you really want to remove as
> much of the old solder as possible and resolder with nice clean new
> solder.
> Yes, do *every* solder joint.
> Now you know why radio shops won't repair salt water corrosion damage in
> most cases. :-))
> It is a very long process.

My father was a radar/radio technician on a destroyer escort in WWII.
One of his war stories involves staying up 72 hours without sleep to
take apart, piece by piece, dry off, and re-assemble every piece of
radio/radar gear in the shack, after it was flooded in a typhoon.
Sounded like a most un-pleasant chore!

--Jim WB5UDE

Date: Thu, 10 Dec 1998 15:32:12 +0000
From: Bob Hightower <ki7mn@extremezone.com>
To: kkanalz@optelinc.com
Cc: qrp-l@lehigh.edu
Subject: [27052] Re: Removing sticky stuff
Message-ID: <199812102221.PAA14621@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 03:18 PM 12/10/98 -0600, you wrote:

>
>
>There's a product called "Goof-Off" (or was that "Goo-Off"?)
>in a little can that looks like a short Zippo lighter fluid can.
>
>You can buy this stuff at Home Depot, most hardware stores,
>and in some supermarkets. I think I paid about \$1.98 for my
>can.
>
>In fact, it SMELLS like lighter fluid (pocket lighter, that is, not
>charcoal lighter fluid!).
>
>Anyway, I've used this on all sorts of plastics without causing
>any problem(s).

Maybe they've zipped it up some, but it will definitely eat some plastics
up. Good for metal, glass, etc, but a bit too strong.

72,73

Bob Hightower KI7MN

<http://www.extremezone.com/~ki7mn>

Date: 10 Dec 98 18:04:58 EST
From: Roy Lincoln <wa4dou@usa.net>
To: <alan.kaul@worldnet.att.net>
Cc: qrp-1@LEHIGH.EDU
Subject: [27053] re: DOS Problems
Message-ID: <19981210230458.24281.qmail@www0i.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Alan,

I feel sure it won't help your situation but i thought i'd share my
experiences with you. I'm about 2 years into computers, other than using them
at
work to program two way radios. I like to keep mine clean, neat and
spartan. Seems that programs run better when you don't have too many programs,
and too many mistakes contaminating your hard drive, windows files, etc. I've
learned to FORMAT c: so often that i feel no remorse, pangs of conscience,
guilt, feelings of trepidation, etc. I'm told that i should be the #1
"plankowner" in the Format C: club! Ha! It gets easier each time you do it and
thats called learning! 73 Roy WA4DOU

Get free e-mail and a permanent address at <http://www.netaddress.com/?N=1>

Date: Thu, 10 Dec 1998 18:23:53 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: <Jack_Weaver@cc.chiron.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27054] RE: Advice please
Message-ID: <002401be2494\$26d49ba0\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I would say it's not a good idea Jack... by doing this, if the devices have output transformers, you will also be placing the output transformer of the 2nd unit in parallel with the rest of the devices. Even without one, there may likely be some complex impedences mixed, and -as you suggested-AC voltages my well be fed back into the unused device. Use a switch.

Date: 10 Dec 98 18:33:14 EST
From: Roy Lincoln <wa4dou@usa.net>
To: owner-qrp-1@Lehigh.EDU, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27055] Re: [Re: Radio Shack circuit board]
Message-ID: <19981210233314.18146.qmail@www0j.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey Ron,

 You've written something that i can completely agree with you on! :o) 73 Roy
WA4DOU-----

On Thu, 10 Dec 1998, John Levreault wrote:

> In my experience, the likelihood of lifting a trace is proportional
> to the amount of time you hold your iron on the pad/pin. The longer you
> heat the joint, the more likely the trace will lift.
>

> You're right, a 20W iron might take a few seconds to melt the solder, but a
> 35-40W'er will do it in a second.

This is also what I have seen and learned.

In a factory I had the folks who did the hand soldering of the boards
change from 600 deg tips to 700 deg and the lifted trace problem
all but went away!

Those folks who had the best soldering skills soon went to 800 deg
tips for most of their work and never had a problem.

Here is something you can do to prove to yourselves that too cool
is bad.....

Get some old electronic device and start taking parts off and putting
them back on.

Do this with different temp irons. Note the troubles you have and
at what temps.

This is also interesting to do with different kinds of boards. You
will soon learn to like high quality boards! :-)

Remember.... get in and get out! Don't stay long enough for the
heat to get the trace hot.

I hate to say this, but soldering is just like CW.... it's a skill
and you need to do it, do it, and then do it some more to learn
it!

Gee, I'll bet a "How to Solder" show and tell at some of the
hamfests would be a great way for the new comers to learn how
and for us old timers to learn how too! Any soldering instructors
out there??

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

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End of QRP-L Digest 1301
